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ECONOMIC EVALUATION

FEDERAL PICK-SLOAN COMMITMENT - MONTANA

Prepared by

Center for Business Enterprise/Urban Institute
Eastern Montana College

Prepared in Response to HB760
(1989 Session Montana State Legislature)

November, 1990

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ECONOMIC EVALUATION
FEDERAL PICK-SLOAN - MONTANA

INTRODUCTION

During the period after World War II, changing social priorities affected federal policies in a number of important areas. One such area is water management. The growth of entitlement programs, increased emphasis on defense, greater environmental concerns, and decreased demand for agricultural products have all contributed to a relative decrease in the level of federal funding support for water management. This trend is of great concern to those states that depend upon water management for a large proportion of their economic livelihood. This is especially true of the states included in the Upper Missouri River Basin.

An additional factor that heightens the concern of the Upper Missouri River Basin states is the federal commitment for water management funding contained in the Flood Control Act of 1944. This commitment identified a variety of projects that would be completed through federal funding. Included in these projects were irrigation, power facility construction, and dam construction. The heightened concern is due to the fact that much of this federal commitment has not been implemented.

As an initial step in the development of a strategy to increase federal funding support for water management, the Montana legislature partially funded an economic analysis to evaluate the current monetary value of the commitment made to Montana by the U.S. Congress under the Pick-Sloan Missouri Basin Program established by the Flood Control Act of 1944. This document contains the economic analysis and evaluation requested by the legislature.

The study is divided into three parts. The first section contains a brief historical account of the legislation enacted in the Flood Control Act of 1944 and a description of relevant events that have occurred since enactment. The second section provides a discussion of the methodology used to identify the benefits and costs associated with Pick-Sloan projects in Montana. A discussion of the methodology is pertinent because hard data, i.e., specific information is not available for many categories of benefits and costs. Certain assumptions were required and these assumptions need to be specified. The final section provides monetary estimates for the value of the federal commitment made many years ago to Montana. Included in this section are valuations reflecting the effects of inflation and interest.

PICK-SLOAN DESCRIPTION

Within the states comprising the upper Missouri River Basin, the term Pick-Sloan is used to connote a federal commitment to water management/development projects in the region. Frequently, the term is linked with nouns such as plan, initiative, or strategy to form a new phrase; for example, Pick-Sloan strategy. This new phrase always refers to a set of actions designed to secure federal funding for water projects in the region. In this section of the report, a brief description of the rationale for the use of the term, Pick-Sloan, is provided.

Several unrelated factors set in motion the events that led to the enactment of the Flood Control Act of 1944, the legislation that spelled out the federal commitment of water development in the Upper Missouri River Basin. For some time, the concept of river basin development had been evolving within the Department of Reclamation. Historically, water project development had been analyzed on the basis of a single river. Gradually, this focus changed from a project by project approach to a comprehensive river basin development approach. By the early 1940's the stage was set for a comprehensive river basin development strategy to be used on the upper Missouri River.

A second factor affecting water legislation was a series of damaging floods on the Missouri prior to congressional action on flood control legislation. These floods caused significant damage along the river and even led to loss of life. These floods sensitized Congress to the costs associated with flooding and created a political atmosphere conducive to the passage of legislation. Contributing to the positive political atmosphere was the desire on the part of Congress to create employment opportunities for returning servicemen freed by the end of World War II.

A third factor contributing to the legislation that finally emerged from Congress was the long-standing interagency rivalry between the U.S. Army Corps of Engineers and the Bureau of Reclamation. Partly jurisdictional, the rivalry revolved around who would control what water development projects. Coupled with the jurisdictional aspect was the different emphasis placed upon development. The Corps of Engineers was more interested in navigation and flood control whereas the Bureau of Reclamation had a greater interest in irrigation and agriculture.

The legislation that eventually became the Flood Control Act of 1944 was drawn from three legislative components; House Document 475 (HD 475), Senate Document 191 (SD 191), and the O'Mahoney-Milliken Amendment. Colonel Luis Pick of the U.S. Army Corps of Engineers was responsible for putting together what became HD475. Also known as the Pick plan this document provided that the War Department construct, operate, and maintain reservoirs. Reservoirs were defined as multiple use and water would be available for any use although emphasis was placed upon flood control and navigation. Glenn Sloan of the Bureau of Reclamation was responsible for the input that became SD 191. The emphasis in this document was upon irrigation including a broad range of uses consistent with the physical and economic characteristics of the Missouri River.

The reconciliation between these two approaches was effected through the Flood Control Act of 1944 in combination with the O'Mahoney-Milliken Amendment. From the perspective of federally funded water development projects, this legislation established priority to upstream states for consumptive over downstream uses. In addition, the legislation specified projects to be undertaken through the federal government. These projects included irrigation, power facilities (pumping stations) and dam construction. This legislation became the basis for future claims against the federal government by the upper Missouri River Basin states.

As time passed some projects were completed through the congressional appropriation process but many were not. The reasons for project abandonment are complex and varied but include changes in techniques for evaluating project benefits, the evolution of power use, cost recovery, the federal budget deficit, and environmental considerations. It is not the purpose of this analysis to develop in detail the rationalé that makes federal funding for some water development projects more difficult today than in the past. The essential fact is that much of the work (primarily irrigation) authorized in SD 191 (Flood Control Act of 1944) has not been completed. This work represents the unfulfilled federal commitment to the upper Missouri River Basin states.

In the next section of this report, a description of the methodology used to evaluate the federal Pick-Sloan commitment to Montana is presented.

METHODOLOGY

Valuation of the benefits and costs arising from the type of projects included in the Pick-Sloan legislation of 1944 are difficult to compute for two reasons. One, the economic analysis is inherently complex. This analysis requires the identification of benefits and costs that are not always apparent. For example, the construction of a dam obviously benefits the local economy through the increase in income received by the work force. Not so obvious is the income increase due to a multiplier effect. This multiplier effect occurs because the dollars received from the payroll for construction are spent on a variety of goods and services. These expenditures increase the incomes of other sectors of the population. This multiplier effect must be included in the valuation of the benefit from the project. There are other less obvious effects that must be identified and evaluated.

The second impediment to the analysis is the lack of data or data inconsistencies. In many cases the identification of the benefit or cost is less than one-half the battle. Invariably, information is sought for activities that could have taken place but didn't. For example, the construction of a dam leads to inundation of significant acreage. If the land was agriculturally productive, what is the value of the crop that could have been grown? This value is a cost of project implementation. Another data difficulty arises from changes in specific information collected by various public and private agencies. It is rare to find a time series of data that is unchanged in composition over a fifty-year time period. Yet this is the time frame necessary for this analysis.

Evaluation problems created by data inadequacies must be solved by estimating values for missing observations. The rationalé for the choice of specific value or time series must be explicitly stated in a way that clarifies why the choice was made. This is accomplished in the report through the presentation of tables organized to include the identification of the potential benefits and costs associated with a specific activity, a description of the problems inherent in evaluating them, and the assumptions or rationalé used to overcome the problems.

The primary components requiring data collection, analysis, and evaluation in the Pick-Sloan legislation are construction, power generation, and agriculture. The first three tables in this section of the report provide the detailed information underlying the benefit/cost evaluation. The final three tables contain similar information on wildlife, forestry, and property taxes. Each table is organized to include a component heading, e.g., project construction, an activity description, a methodology classification, and an activity identification section.

Project Component Evaluation Methodology

Project Construction

Activity Description	Methodology	Activity Identification
Valuation to include both direct (i.e. labor, materials) and indirect (secondary economic effect) impacts associated with the construction of reservoirs, pumping stations, and power facilities.	• Identify construction projects and associated construction costs	Projects and associated construction costs obtained from Senate Document 191; "Report on Financial Position," Bureau of Reclamation; and direct contact Bureau of Reclamation personnel (Appendix Tables 1-3).
	• Quantify direct benefits of project construction for both completed and not completed projects	Project estimated construction cost and estimated or actual year of completion ("Economic Analysis: Missouri River Basin Project, Bureau of Reclamation; "Water Resources Development in Montana - 1985," U.S. Corps of Engineers; and direct contact with Bureau of Reclamation personnel) were used to obtain total dollar values. These values were computed to 1989 dollars. Alternative calculations included an interest rate effect upon the totals. (Projects partially constructed with non-Pick-Sloan funds were not included in completed project costs.)
	• Quantify indirect benefits of projects	Secondary economic effect multiplier for new construction (1.9348) obtained from Montana Regional Input-Output Modeling System (RIMS). Multiplied this factor by the direct benefit.

Power Generation

Activity Description	Methodology	Activity Identification
Valuation to include both direct (i.e. sale of power) and indirect (secondary economic effect) impacts associated with power generation.	• Identify power plant projects	Information contained in Senate Document 191 (Appendix Table 3).
	• Quantify direct power benefits of both completed and planned but not completed projects	The annual firm power production (kwh) for each project was obtained (Senate Document 191). An estimated annual load factor of 60 percent was provided by Montana power marketing agencies. An average $/kwh (.0439) was calculated using 1988 residential (.05323), rural cooperative (.04019), and "other" (.03832) category rates ("Financial Statistics of Selected Electric Utilities 1988," Energy Information Administration and "1988 Statistical Report, Rural Electric Borrowers," REA Bulletin 1-1). This average $/kwh was converted to 1989 dollars to yield a value of .0462 per kwh. The annual firm production (kwh) for each project was multiplied by the 60 percent load factor and then multiplied by the average $/kwh. The resulting value was the annual direct power benefit used in calculations for each project.
	• Quantify indirect benefits for each power project	Secondary economic effect multiplier for electric power (1.8652) was obtained from the Montana Regional Input-Output Modeling System (RIMS) and multiplied by the direct power benefit for each year of power benefit.

Agriculture

Activity Description	Methodology	Activity Identification
Valuation to include both direct (i.e. crop income) and indirect (secondary economic effect) impacts associated with the inundation of crop acres utilized in reservoir construction.	• Identify crop acres inundated for completed reservoirs and estimated crop acres to be inundated for reservoirs planned but not completed	Completed Projects (Appendix Table 4) Completed projects were identified from "Pick-Sloan Missouri Basin Program Seminar Proceedings;" "Report on Financial Position," Bureau of Reclamation; and from Bureau of Reclamation personnel. The acres inundated were obtained from the "Project Data Book," Bureau of Reclamation. According to Bureau of Reclamation personnel, the Yellowtail reservoir did not inundate agricultural crop acres of any significance. Not Completed Projects Detailed engineering studies were not available for reservoir projects not completed (Bureau of Reclamation personnel). In order to provide a conservative estimate of inundated cropland acres for each of the projects, the following calculations were performed: • For each completed reservoir, the 1977-1988 average number of acres inundated (Appendix Table 14) were divided by the acre/feet capacity to yield four factors (footnote 2, Appendix Table 5). • These four factors were averaged to obtain a final factor in acres to acre/feet units. • This factor (.0372375) was multiplied by the acre feet capacity of reservoirs that were not completed Appendix Table 2) to yield an estimate of the number of total acres inundated for each project (Appendix Table 5, column 2). • The percentage (26.59%) of Montana rural land classified as cropland was obtained ("Statistical Abstract of the U.S.," 1989). • The cropland percentage was multiplied by the total estimated inundated acres providing the total cropland acres inundated (Appendix Table 5, column 3).
Cropland usage revenue loss from reservoir construction.	• Quantify direct value of cropland acres loss	Completed Projects (Appendix Table 4) Counties where inundation occurred were identified ("Project Data Book," Bureau of Reclamation). Cash receipts for agricultural crops by county for years of inundation were obtained from the Montana Department of Agriculture and Statistical Reporting Services-USDA, "Montana Agricultural Statistics." The 1988 and 1989 cash receipt values were unavailable at the time of data collection. A three-year average (1985-1987) was used to calculate an estimate of crop cash receipts for 1988 and 1989. Total cropland acres by county for years of inundation ("Census of Agriculture," County Data) were obtained. Cropland acres for years between the publishing of the Census data were interpolated to provide an estimated number of acres for years where no published data existed. The total cash receipts for each county were divided by the total cropland acres for each county for each year of inundation for each project resulting in an estimated dollar value of income loss per acre. This value was multiplied by the number of acres inundated (identified above) in that county.

Agriculture - continued

Activity Description	Methodology	Activity Identification
Cropland usage revenue gain from reservoirs planned but not completed.	• Quantify direct value of cropland acres gain	Not Completed Projects (Appendix Table 6) The total Montana cash receipts for agricultural crops for years of inundation were obtained from the Montana Department of Agriculture and Statistical Reporting Services-USDA, "Montana Agricultural Statistics." The 1988 and 1989 cash receipts values were unavailable at the time of data collection. A three-year average (1985-1987) was used to calculate an estimate of cash receipts for 1988 and 1989. Total cropland acres for Montana during years of inundation (Census of Agriculture - State Data) were obtained. Cropland acres for years between the publishing of the Census data were interpolated to provide an estimated number of acres for years where no published data existed. The total cash receipts were divided by the total cropland acres for each year resulting in an estimated dollar value of income gain/loss per acre. This value was multiplied by the number of acres inundated (identified above) for each year of inundation.
	• Quantify indirect value of cropland acres gain/loss	Secondary economic effect multiplier for agricultural products (2.4061) obtained from Montana Regional Input-Output Modeling System (RIMS) was multiplied by the total direct value of cropland acres loss/gain for both completed and planned but not completed projects.
Valuation to include both direct (i.e. crop income) and indirect (secondary economic effect) impacts associated with the irrigation of new and supplemental acres.	• Identify irrigation projects and associated acres (both full and supplemental)	Completed irrigation projects and planned but not completed irrigation projects, associated acres, and project county were obtained from Senate Document 191, "Report on Financial Position," Bureau of Reclamation; "Project Data Book," Bureau of Reclamation; and direct contact with Bureau of Reclamation personnel (Appendix Table 7). The following assumptions and calculations were used in computing valuations for completed and planned but not completed irrigation projects.
	• Quantify agricultural irrigation direct benefits (full and supplemental)	By county, the major crops grown, irrigated and nonirrigated yields, unit price, and total irrigated acres by crop were identified (commodity unit prices were not available for 1980-87 and 1945-49, inclusive; the State unit prices were used), and the total irrigated acres by crop ("Montana Agricultural Statistics," Montana Department of Agriculture; and "Agricultural Statistics," U.S. Department of Agriculture). Data were unavailable for 1988 and 1989, so a 3-year average of 1985-1987 calculations was used for 1988 and 1989 (Appendix Table 8-A). A ratio of irrigated acres of a specific crop to a total of all irrigated crop acres was calculated (i.e., the total irrigated wheat acres divided by the total of all irrigated crop acres [only those crops used in calculations] for the county). For each crop, the non-irrigated yield was subtracted from the irrigated yield. The crop ratio obtained above was multiplied by the yield difference and then by the unit crop price. After this was calculated for each commodity, the resulting values were added providing a composite value of increased income per acre. (Production costs between an irrigated and non-irrigated acre by crop were not considered due to the unavailability of data for Montana crops, this will cause a slight overstatement of values). This composite value was multiplied by the county full irrigated acres. (Direct benefit full acres).

Agriculture - continued

Activity Description	Methodology	Activity Identification
		The value of supplementary acres (acres which had an inadequate water supply, but after plan implementation would be fully irrigated) was difficult to quantify due to varying levels of irrigation. After discussions with Bureau of Reclamation personnel, a conservative method of valuing irrigation benefits was developed. Since Pick-Sloan supplemental acres are estimated to be at 50-70% of production potential, a supplemental acre would increase in value 30% of the composite value of a full irrigated acre. This value was then multiplied by the supplementary acres. These calculations were computed by county on a yearly basis for all irrigation projects (Appendix Table 8-B).
	• Quantify agricultural indirect irrigation benefits (full and supplemental)	Secondary economic effect multiplier for agricultural products (2.4061) obtained from Montana Input-Output Modeling System (RIMS) was multiplied by the direct value of agricultural irrigation of full/supplemental acres (Appendix Table 8-B).
Valuation to include direct impacts from the inundation of pasture/grazing land utilized in reservoir construction.	• Identify inundated pasture or grazing acres and years of inundation for completed projects and estimates of pasture inundated acres for reservoirs planned but not completed	Completed Projects (Appendix Table 9). The completed projects were documented in "Pick-Sloan Missouri Basin Program Seminar Proceedings"; "Report on Financial Position," Bureau of Reclamation; and Bureau of Reclamation personnel. The pasture acres inundated were obtained from the "Project Data Book," Bureau of Reclamation. Yellowtail reservoir completion was considered to have negligible effect on pasture acres. Not Completed Projects (Appendix Table 10) According to Bureau of Reclamation personnel, detailed engineering studies were not available for reservoir projects planned but not completed. The procedure used to provide an estimate of the pasture/grazing acres inundated is as follows: • The percentage (4.69%) of Montana rural land classified as pasture/grazing was obtained ("Statistical Abstract of the U.S.," 1989). • The pasture/grazing percentage was multiplied by the total estimated inundated acres calculated previously providing the total pasture/grazing acres inundated (Appendix Table 5, column 4).
	• Quantify the direct value of pasture/grazing acres loss/gain	The pasture rent of non-irrigated land per acre was obtained from the U.S. Department of Agriculture, Economic Research Service, "Agricultural Land Values". Rental rates before 1970 were unavailable, so the 1970 rate was utilized for projects requiring calculations during years prior to 1970. The pasture rent of non-irrigated land was multiplied by the actual or estimated grazing/pasture acres inundated for each project during years of inundation. Indirect benefits were not calculated since an appropriate secondary multiplier was unavailable in addition to the questionability of whether an indirect loss was appropriate.

Wildlife

Activity Description	Methodology	Activity Identification
Valuation to include wildlife impacts due to project completion.	• Identify completed reservoir or irrigation projects • Quantify value of wildlife where impacted by projects	"Pick-Sloan Missouri Basin Program--Individually Authorized Projects," Bureau of Reclamation and direct contact with Bureau of Reclamation personnel (Appendix Table 11). An annual value for wildlife gain or loss was available in individual documents for the specific project completed (U.S. Fish & Wildlife Service, "Report on the Fish & Wildlife Problems in Relation to the Water Developments Plan," "Detailed Report on Fish & Wildlife Resources for the East Bench Unit;" and Bureau of Reclamation sources, "Definite Plan Report Appendices for the Helena Valley Unit," "Definite Plan, General Plan Report on Lower Marias Unit," "Report on Economic and Financial Data on the Hardin and Yellowtail Units"). These values were calculated to reflect 1989 dollars with benefit/loss calculations begun one year after project completion. Due to the unavailability of relevant data, the valuation of potential wildlife impacts were not calculated for projects planned but not completed.

Forestry

Activity Description	Methodology	Activity Identification
Valuation to include forest land impacts from reservoir projects.	• Identify reservoir projects	"Pick-Sloan Missouri Basin Program--Individually Authorized Projects," Bureau of Reclamation.
Forestry loss from reservoir construction.	• Quantify value of forestry loss	Completed Projects (Appendix Table 12) Only projects with a significant amount of timber were considered, namely Canyon Ferry and Yellowtail projects (Bureau of Reclamation personnel). The number of forested acres inundated were obtained from the U.S. Fish & Wildlife Department, "A Report on the Fish and Wildlife Problems in Relation to the Water Developments Plan for the Canyon Ferry Reservoir," and U.S. Bureau of Reclamation "Definite Plan Report on the Lower Marias Unit." The 1989 gross dollar value loss was calculated by determining the value of existing stands and the value of future stands (State of Montana Forest Management Bureau personnel). For the first year of loss, the existing stands equal the stumpage price ($80.02) times the volume per acre (2.4 trees) x forested acres. The future stands (after the first year) were computed at $98.50 an acre a year times the number of forested acres. (A medium quality site is estimated to be worth $98.50/acre per year.)
Forestry gain from reservoirs planned but not completed.	• Quantify value of forestry gain	Not Completed Projects (Appendix Table 13) According to Bureau of Reclamation personnel, detailed engineering studies were not available for reservoir projects planned but not completed. The procedure used to provide an estimate of the forestry acres inundated is as follows: • The percentage (8%) of Montana rural land classified as forestry was obtained ("Statistical Abstract of the U.S.," 1989). • The forested land percentage was multiplied by the total estimated inundated acres calculated previously providing the total forestry acres inundated (Appendix Table 5, column 5). Calculations performed were the same as for completed projects.

Property Taxes

Activity Description	Methodology	Activity Identification
Valuation to include property tax revenue changes due to inundation of crop acres utilized in reservoir construction.	• Identify inundated acres for each reservoir project	Completed Reservoirs The inundated acres were obtained from the Bureau of Land Management personnel and "Payments in Lieu of Taxes" documents. The Payment in Lieu of Taxes documents were distributed by the federal government for Pick-Sloan beginning in 1977 (no payments were made prior to 1977). The number of acres per county did not change substantially from 1977-1988. For years before 1977, the 1977 acres inundated were used for calculations. The total acres assigned in the document to the Bureau of Reclamation were used (Appendix Table 14). Not Completed Reservoirs According to Bureau of Reclamation personnel, no refined engineering studies were performed on projects that were planned but not completed. The estimated number of inundated acres was calculated previously (Appendix Table 5, column 2).
	• Quantify property tax information	The average assessed value per acre of non-irrigated, tillable land was identified (by county for years of inundation) in the "Report of the Average Value Per Acre by County," State of Montana, Department of Revenue; and "Biennial Report," Montana Department of Revenue (Appendix Table 15). This assessed value was converted to a taxable rate by multiplying the assessed values by 30 percent. The rural tax mill levy of the county seat district of project location was obtained from individual county assessor's offices, Montana Taxpayer's Association publication, "Mill Levies for County Operation," and "Montana Taxation - 1986," Montana Tax Foundation, Inc. The Association did not survey years 1956, 1960, and 1965, so the values were interpolated from the previous and following years (Appendix Table 16). Since Deer Lodge had so few acres to consider, Beaverhead County (adjoining county) mills and taxable values were used.
Property tax revenue loss from reservoir construction.	• Quantify property tax loss	Completed Reservoirs The county taxable value per acre was multiplied by the county tax mill levy to yield the tax revenue loss per acre. The tax revenue loss per acre was multiplied by the county acres inundated for each year of inundation resulting in the total county tax revenue loss. The Payment in Lieu of Taxes paid to each county was calculated as follows: • Federal payments paid to specific counties and the total acres for which payment was made were obtained from the Bureau of Reclamation Document, "Payment in Lieu of Taxes." Data were obtained for each relevant year. • The relative share of Bureau of Reclamation acres to the total acres was multiplied by the total federal payment to yield an estimate of the monies received by county for inundated land (Appendix Table 17). The county Payment in Lieu of Taxes was subtracted from the total county tax revenue loss providing a net property tax loss by county due to inundation (Appendix Table 19).

Property Taxes - continued

Activity Description	Methodology	Activity Identification
Property tax revenue gain from reservoirs planned but not completed.	• Quantify property tax gain	Not Completed Reservoirs An estimated PILT payment per acre in 1989 dollars was calculated by converting annual PILT payments (Appendix Table 17) to 1989 dollars and obtaining the sum of the payments. This total was divided by the total number of acres (Years 1977-88, Appendix Table 14) for which payments was made to yield an estimated PILT payment of $.673 per acre in 1989 dollars. The estimated payment was multiplied by the estimated inundated acres (Appendix Table 5, column 2) to obtain an estimated annual PILT payment for projects planned but not completed. The estimated inundated acres were multiplied by the non-irrigated tax value per acre (Appendix Table 15) and the county rural tax mill (Appendix Table 16). The estimated annual PILT payment was subtracted from this value providing a property tax loss by county for planned but not completed projects due to inundation (Appendix Table 19).
Valuation of property tax revenue changes arising from irrigation projects.	• Identify irrigation projects completed, associated new irrigated acres, and completion years	The irrigation projects completed, number of newly irrigated acres, and completion years were identified in the "Project Data Book," Water and Resources Service. The identification of incomplete projects, associated acres, and estimated completion dates were obtained through several sources (Senate Document 191, "Report on Financial Position," Bureau of Reclamation; "Economic Analysis: Missouri River Basin Project," Bureau of Reclamation). (Appendix Tables 1 and 7 provide specific detail.) Supplemental acres were not considered in calculations.
Property tax revenue gain from acres irrigated.	• Quantify tax revenue gain	Completed Irrigation Projects The average assessed value per acre of non-irrigated (Appendix Table 15) and irrigated, tillable land (Appendix Table 18) were identified (by county for impacted years) in the "Report of the Average Value Per Acre by County," State of Montana, Department of Revenue; and "Biennial Report," Montana Department of Revenue. These values were converted to a taxable rate by multiplying the assessed values by 30 percent. The taxable value of a non-irrigated acre was subtracted from the taxable value of an irrigated acre to obtain a factor. The rural tax mill levy of the county seat district of project location was obtained from individual county assessor's offices, Montana Taxpayer's Association publication, "Mill Levies for County Operation," and "Montana Taxation - 1986," Montana Tax Foundation, Inc. The Association did not survey years 1956, 1960, and 1965, so the values were interpolated from the previous and following years (Appendix Table 16). The county tax mill levy was multiplied by the factor obtained above (difference between the taxable value of an irrigated acre and non-irrigated acre). This calculation resulted in the additional county tax revenue generated per acre. The county tax revenue gained per acre was multiplied by the newly irrigated acres in that county (Appendix Table 19).
Property tax revenue loss from acres not irrigated.	• Quantify tax loss	Not Completed Irrigation Projects The same calculations used above for completed projects with the above completed irrigation project calculations were used replacing newly irrigated acres with acres not irrigated (Appendix Table 19).

EVALUATION

The original Pick-Sloan commitment as specified in Senate Document 191 required the construction of various water development projects. The Montana Commitment consisted of the construction of twenty-five reservoirs, six power generating facilities, and one hundred irrigation units. The irrigation units were planned for providing water to 958,360 new acres and 245,800 supplementary acres (land that was currently receiving some water). The monetary evaluation of this building activity required the evaluation of a stream of gains and losses arising from the economic effects of the activity. In this section, estimates of these effects are made for each of the categories described in the methodology section of the report. (All calculations begin one year after estimated or actual date of project completion). This approach facilitates the analysis of changing land use and income effects.

Estimates are provided for three situations; the total Montana monetary commitment, the monetary commitment that was fulfilled through the completion of projects, and the monetary commitment that was unfulfilled. The analysis is presented in constant dollars using 1989 as a base year (Annual Purchasing Power of Dollar Factors - Table 20). A further presentation includes an interest rate inclusion to estimate the present value of the various economic effects. The assumption underlying the choice of a specific interest rate was that each annual monetary stream could be invested at the average prevailing T-bill rate (Annual T-Bill Interest Rates - Table 20).

NET BENEFIT - 1989 DOLLARS
MONTANA PICK-SLOAN COMMITMENT
(Millions of Dollars)

Gain/Loss Component		Benefit
Project Construction		
Direct	$1,620.8	
Indirect	3,136.0	
Subtotal		$ 4,756.8
Power Generation		
Direct	795.0	
Indirect	1,482.9	
Subtotal		$ 2,277.9
Agriculture		
Flooding of Crop Acres - Value Loss		
Direct	(116.3)	
Indirect	(279.9)	
New Irrigated Acres - Value Gain		
Direct	2,001.5	
Indirect	4,816.0	
Flooding of Pasture/grazing Acres - Value Loss		
Direct	(12.7)	$ 6,408.6
Subtotal		
Wildlife Value Loss		$ (11.3)
Forestry Value Loss		$ (71.5)
Property Tax		
Inundated Acres - Value Loss	(16.9)	
New Irrigated Acres - Value Gain	28.4	
Subtotal		$ 11.5
TOTAL		$13,372.0

NET BENEFIT - 1989 DOLLARS
MONTANA PICK-SLOAN COMPLETED PROJECTS
(Millions of Dollars)

Gain/Loss Component		Benefit
Project Construction (Appendix Tables 1-3)		
Direct	$ 676.5	
Indirect	1,309.0	
Subtotal		$1,985.5
Power Generation (Appendix Table 3)		
Direct	550.2	
Indirect	1,026.3	
Subtotal		$1,576.5
Agriculture (Appendix Tables 4, 8-C, & 9)		
Flooding of Crop Acres - Value Loss		
Direct	(33.7)	
Indirect	(81.1)	
New Irrigated Acres - Value Gain		
Direct	132.9	
Indirect	319.9	
Flooding of Pasture/grazing Acres - Value Loss		
Direct	(11.1)	
Subtotal		$ 326.9
Wildlife Value Loss (Appendix Table 11)		$ (11.3)
Forestry Value Loss (Appendix Table 12)		$ (21.9)
Property Tax (Appendix Table 19, columns 1 & 3)		
Inundated Acres - Value Loss	(4.3)	
New Irrigated Acres - Value Gain	2.7	
Subtotal		$ (1.6)
TOTAL		$3,854.1

NET BENEFIT - 1989 DOLLARS
MONTANA PICK-SLOAN PLANNED BUT NOT COMPLETED PROJECTS
(Millions of Dollars)

Gain/Loss Component		Benefit
Project Construction (Appendix Tables 1-3)		
Direct	$ 944.3	
Indirect	1,827.0	
Subtotal		$2,771.3
Power Generation (Appendix Table 3)		
Direct	244.8	
Indirect	456.6	
Subtotal		$ 701.4
Agriculture (Appendix Tables 6, 8-B, 8-C, & 10)		
Flooding of Crop Acres - Value Loss		
Direct	(82.6)	
Indirect	(198.8)	
New Irrigated Acres - Value Gain		
Direct	1,868.6	
Indirect	4,496.1	
Flooding of Pasture/grazing Acres - Value Loss		
Direct	(1.6)	
Subtotal		$6,081.7
Wildlife Value Loss - Not quantifiable with available information		$ -0-
Forestry Value Loss (Appendix Table 13)		$ (49.6)
Property Tax (Appendix Table 19, columns 5 & 7)		
Inundated Acres - Value Loss	(12.6)	
New Irrigated Acres - Value Gain	25.7	
Subtotal		$ 13.1
TOTAL		$9,517.9

NET BENEFIT INCLUDING COMPOUND INTEREST - 1989 DOLLARS
MONTANA PICK-SLOAN COMMITMENT
(Millions of Dollars)

Gain/Loss Component		Benefit
Project Construction		
Direct	$ 8,826.7	
Indirect	17,077.8	
Subtotal		$25,904.5
Power Generation		
Direct	2,375.0	
Indirect	4,429.7	
Subtotal		$ 6,804.7
Agriculture		
Flooding of Crop Acres - Value Loss		
Direct	(351.5)	
Indirect	(846.0)	
New Irrigated Acres - Value Gain		
Direct	5,668.2	
Indirect	13,638.3	
Flooding of Pasture/grazing Acres - Value Loss		
Direct	(44.2)	
Subtotal		$18,064.8
Wildlife Value Loss		$ (26.3)
Forestry Value Loss		$ (225.0)
Property Tax		
Inundated Acres - Value Loss	(50.9)	
New Irrigated Acres - Value Gain	96.0	
Subtotal		$ 45.1
TOTAL		$50,567.8

NET BENEFIT INCLUDING COMPOUND INTEREST - 1989 DOLLARS
MONTANA PICK-SLOAN COMPLETED PROJECTS
(Millions of Dollars)

Gain/Loss Component		Benefit
Project Construction (Appendix Tables 1-3)		
Direct	$4,128.8	
Indirect	7,988.4	
Subtotal		$12,117.2
Power Generation (Appendix Table 3)		
Direct	1,731.9	
Indirect	3,230.3	
Subtotal		$ 4,962.2
Agriculture (Appendix Tables 4, 8-C, & 9)		
Flooding of Crop Acres - Value Loss		
Direct	(118.4)	
Indirect	(285.0)	
New Irrigated Acres - Value Gain		
Direct	399.5	
Indirect	961.2	
Flooding of Pasture/grazing Acres - Value Loss		
Direct	(39.9)	
Subtotal		$ 917.4
Wildlife Value Loss (Appendix Table 11)		$ (26.3)
Forestry Value Loss (Appendix Table 12)		$ (85.4)
Property Tax (Appendix Table 19, columns 2 & 4)		
Inundated Acres - Value Loss	(17.0)	
New Irrigated Acres - Value Gain	11.6	
Subtotal		$ (5.4)
TOTAL		$17,879.7

NET BENEFIT INCLUDING COMPOUND INTEREST - 1989 DOLLARS MONTANA PICK-SLOAN PLANNED BUT NOT COMPLETED PROJECTS

(Millions of Dollars)

Gain/Loss Component		Benefit
Project Construction (Appendix Tables 1-3)		
Direct	$ 4,697.9	
Indirect	9,089.4	
Subtotal		$13,787.3
Power Generation (Appendix Table 3)		
Direct	643.1	
Indirect	1,199.4	
Subtotal		$ 1,842.5
Agriculture (Appendix Tables 6, 8-B, 8-C, & 10)		
Flooding of Crop Acres - Value Loss		
Direct	(233.1)	
Indirect	(561.0)	
New Irrigated Acres - Value Gain		
Direct	5,268.7	
Indirect	12,677.1	
Flooding of Pasture/grazing Acres - Value Loss		
Direct	(4.3)	
Subtotal		$17,147.4
Wildlife Value Loss - Not quantifiable with available information;		$ -0-
Forestry Value Loss (Appendix Table 13)		$ (139.6)
Property Tax (Appendix Table 19, columns 6 & 8)		
Inundated Acres - Value Loss	(33.9)	
New Irrigated Acres - Value Gain	84.4	
Subtotal		$ 50.5
TOTAL		$32,688.1

APPENDIX

AND

BIBLIOGRAPHY

TABLE 1
SENATE DOCUMENT 191
BY IRRIGATION PROJECT

Project Name	County	Proposed Irrigated Acres		Est. Construction Cost (1940 $)	Est. Completion Date[1]
		Full	Supplemental		
Custer Bench	Bighorn	11,400	0	1,729,000	1966
Wyola	Bighorn	3,600	0	550,000	1966
Benteen Flat	Bighorn	1,600	0	245,000	1966
Battlefield	Bighorn	1,200	0	206,000	1966
Crow	Bighorn	1,200	0	203,000	1966
Little Horn	Bighorn	0	14,800	1,403,000	1966
Hardin	Bighorn	45,000	1,800	3,725,000	1966
Whitehorse Bench	Carbon	1,500	0	155,000	1970
Fort Keogh	Custer	3,120	0	187,000	1966
Custer Drainage	Custer	0	0	[2]	1970
Billings Extension	Custer	0	0	[2]	1963
Intake	Dawson	840	0	44,000	1970
Savage (completed 2,200 acres)	Dawson	2,390	0	189,000	1959
Elm Coulee	Dawson	1,800	0	185,000	1966
Seven Sisters	Dawson	1,800	0	154,000	1966
Stipek	Dawson	4,800	0	714,000	1966
Buffalo R. - Marsh	Dawson	3,240	0	268,000	1966
Buffalo R. - Haley	Dawson	3,100	0	270,000	1966
Colgate	Dawson	1,300	0	183,000	1970
Cracker Box	Dawson	800	0	86,000	1966
Sidney Extension, MT Portion	Dawson	1,100	0	89,347	1966
Moorhead	Powder	42,600	0	4,055,000	1966
Sweetgrass	Sweetgrass	0	12,100	[3]	1970
Shields River	Park	0	8,400	[3]	1959
Buffalo R. - Sadie F.	Prairie	7,100	0	485,000	1966
Saugus-Calypso	Prairie	2,470	0	228,000	1966
Chimney Rock	Rosebud	3,650	0	346,000	1970
Hathaway	Rosebud	1,770	0	157,000	1966
Highland Park	Rosebud	10,470	0	1,190,000	1970
Orinoco	Rosebud	1,600	0	97,000	1966
Tongue River Pump Units	Rosebud	26,100	0	2,790,000	1966
Mission Ditch	Sweetgrass	1,280	0	89,000	1970
Greycliff	Sweetgrass	350	0	27,000	1970
Hysham	Treasure	7,310	0	801,000	1970
Antelope Flat	Treasure	14,600	0	1,522,000	1970
North Sanders	Treasure	1,470	0	21,000	1970

TABLE 1 (continued)
SENATE DOCUMENT 191
BY IRRIGATION PROJECT

Project Name	County	Proposed Irrigated Acres		Est. Construction Cost (1940 $)	Est. Completion Date[1]
		Full	Supplemental		
North Custer	Treasure	3,750	0	390,000	1966
Huntley Extension No. 2	Yellowstone	1,160	0	131,000	1966
Cove Canal Extension	Yellowstone	2,460	0	232,000	1966
Seven Mile Flat	Yellowstone	7,500	0	677,000	1966
Huntley Extension No. 3	Yellowstone	1,800	0	83,000	1966
Red Rock	Beaverhead	1,000	5,600	122,000	1970
Horse Prairie	Beaverhead	1,300	10,700	44,440	1970
Dillon Valley:		5,100	17,900	2,142,300	
Dillon V. - Blacktail	Beaverhead	—	—	—	1970
Dillon V. - East Bench (compl. 21,800 full & 28,000 supl. acres)	Beaverhead	25,000	0	[3]	1963
Dillon V. - Rattlesnake	Beaverhead	—	—	—	1970
Broadwater-Missouri	Broadwater	7,100	0	403,000	1970
Great Falls Pumping	Cascade	14,400	0	1,168,000	1970
Chestnut Valley Ext.	Cascade	6,000	0	300,000	1966
Ulm Valley Pumping	Cascade	4,300	0	306,000	1970
Lower Marias	Chouteau	120,000	0	12,892,000	1959
Lewistown	Fergus	4,000	0	300,000	1966
Clarkston Pumping	Gallatin	2,100	0	153,000	1966
Three Forks Unit:		127,300	137,100	27,515,250	
Valley View	Gallatin	—	—	—	1966
Townsend Valley	Gallatin	—	—	—	1966
South Bench	Gallatin	—	—	—	1966
Madison	Gallatin	—	—	—	1966
Gallatin Area	Gallatin	—	—	—	1966
Crow Creek[4] (completed 23,400 acres)	Gallatin	23,400	—	5,410,000	1959
Boulder	Jefferson	0	5,700	[3]	1970
Jefferson	Jefferson	9,400	2,500	3,285,000	1966
Hobson	Judith Basin	0	6,000	35,000	1966
Stanford	Judith Basin	1,200	0	60,000	1970
Ross Fork	Judith Basin	3,000	0	105,000	1966
Hanover	Judith Basin	0	700	5,000	1959
Nilan	Lewis & Clark	400	6,800	11,900	1970
Rock Creek	Lewis & Clark	1,000	200	12,000	1966
Helena Valley Pumping (compl. 15,608 full & 832 supl. acres)	Lewis & Clark	15,800	5,300	1,896,000	1959
Ruby	Madison	4,000	5,700	566,000	1970
Big Hole	Madison	0	1,000	[3]	1966
Newland	Meagher	3,900	0	184,000	1966
Dodson Pumping	Phillips	1,500	0	62,000	1970
Fort Belknap Drainage	Phillips	0	0	[2]	1970
Saco Divide	Phillips	9,400	0	680,000	1966

TABLE 1 (continued)
SENATE DOCUMENT 191
BY IRRIGATION PROJECT

Project Name	County	Proposed Irrigated Acres		Est. Construction Cost (1940 $)	Est. Completion Date[1]
		Full	Supplemental		
Fort Shaw Drainage	Phillips	0	0	[2]	1970
Greenfields Lake Drainage	Phillips	0	0	[2]	1970
Sun River Extension	Teton	32,700	0	1,074,000	1966
Teton Slope	Teton	37,600	3,500	1,870,000	1966
Missouri River Pumping, MT Portion:[4]					
Wapiti	McCone	2,500	0	172,000	1966
Sand Creek	McCone	1,350	0	73,000	1966
Fort Charles	McCone	3,160	0	185,000	1966
Nickwall	McCone	1,870	0	111,000	1966
N-Bar-N	McCone	4,060	0	365,000	1966
Bridge	McCone	1,230	0	77,000	1970
Farmer Creek	McCone	1,600	0	105,000	1966
Brush	Richland	950	0	50,000	1966
Charley Creek	Richland	4,410	0	272,000	1970
Four-Mile	Richland	900	0	65,000	1966
Yellow Bluff	Richland	1,340	0	75,000	1966
Hard Scramble	Richland	2,150	0	136,000	1966
Nohle	Richland	1,740	0	110,000	1966
Redwater	Richland	7,260	0	458,000	1966
Shoestring	Richland	1,250	0	70,000	1966
Bonanza	Richland	960	0	80,000	1966
Missouri-Souris, Northern Division, MT Portion:[4]					
Culbertson	Roosevelt	21,400	0	1,185,000	1966
Missouri Canal Area	Roosevelt	99,600	0	13,641,000	1966
Medicine Lake South	Sheridan	24,700	0	1,468,000	1966
Medicine Lake North	Sheridan	20,900	0	1,249,000	1966
Glasgow Bench	Valley	59,400	0	4,886,000	1966
Little Missouri, MT Portion:[4]	Carter	7,500	0	450,000	1966

[1] Estimated completion date categories were obtained from Bureau of Reclamation Document, "Economic Analysis: Missouri River Basin Project," Table 1. The following completion data category assumptions were made based upon this data:

Class I - Project completed base year beginning 1959.
Class II - Project completed base year beginning 1963.
Class III - Project completed base year beginning 1966.
Class IV - This category was for projects the Bureau of Reclamation researched and classified as infeasible or was unclassified in 1958. For Pick-Sloan calculation purposes, the year 1970 was used as a project completion date for these projects.

[2] SD191 identified that these projects consisted of irrigable land under existing projects and would have to be drained before they could be irrigated. These acres and the associated costs were not included in the calculations.

[3] Construction costs included with reservoir costs.

[4] Detailed costs were obtained from "Report on Financial Position - Missouri River Basin Project", Bureau of Reclamation.

TABLE 2
SENATE DOCUMENT 191
BY RESERVOIR PROJECT

Project Name	County	Acre/Feet Total Capacity	Est. Construction Cost (1940 $)	Est. Completion Date[2]	Completed Status[3]
Antelope[1]	Park	9,000	607,000	1970	
Mission	Park	890,000	12,278,000	1966	
Moorhead	Powder	390,000	4,000,000	1966	
Sweetgrass	Sweetgrass	12,000	383,000	1970	
Yellowtail	Big Horn	470,000	30,289,000	1966	Yes
Apex	Beaverhead	3,000	512,000	1970	
Brenner	Beaverhead	15,000	1,101,560	1970	
Bridger	Gallatin	15,000	1,118,750	1970	
Canyon Ferry	Broadwater/Lewis & Clark	2,000,000	11,025,000	1954	Yes
Clark Canyon	Beaverhead	150,000	5,834,000	1964	Yes
Hobson	Judith Basin	10,650	760,000	1966	
Kelly	Beaverhead	5,000	396,200	1970	
Landon	Beaverhead	15,000	1,022,500	1970	
Newland	Meagher	10,000	840,000	1966	
Nilan	Lewis & Clark	10,000	402,100	1970	
Ross Fork	Judith Basin	6,700	480,000	1966	
Snowy	Fergus	3,000	495,000	1970	
Stanford	Judith Basin	3,000	240,000	1970	
Taylor	Gallatin	20,000	1,285,000	1970	
Terry	Deer Lodge	10,000	529,000	1970	
Tiber	Liberty/Toole	915,000	6,808,000	1956	Yes
Wells	Lewis & Clark	2,600	275,000	1970	
Whitetail	Jefferson	6,000	58,000	1970	
Wilson	Lewis & Clark	160,000	2,530,000	1966	
Medicine Lake	Sheridan	5,200,000	7,700,000	1966	

[1] In SD 191, this reservoir was counted in Wyoming rather than Montana.

[2] See footnote #1 in Table 1.

[3] "Water Resources Development in Montana - 1985," U.S. Corps of Engineers and direct contact with Bureau of Reclamation personnel.

TABLE 3
POWER PLANT PROJECT SUMMARY

Power Plant Name	Est. Construction Cost (1940 $)	Annual Firm KWH Produced (Millions)[1]	$/KWH x .60 x Annual KWH = 1989 Direct Benefit[2]	Status[4]
Canyon Ferry	cost/reservoir[3]	149.8	4,152,456	Completed 1954
Fort Peck	$10,963,000	100.7	2,791,404	Completed 1965
Lyons	$2,498,000	121.0	3,354,120	Not Completed
Mission/Absaroka/Allenspur	cost/reservoir[3]	263.0	7,290,360	Not Completed
Portage/Cochrane	$4,600,000	146.9	4,072,068	Completed 1958 by Montana Power
Yellowtail	cost/reservoir[3]	332.0	9,203,040	Completed 1966

[1] Senate Document 191.

[2] See power generation methodology for details on calculation.

[3] The additional cost for power installation was included in reservoir cost.

[4] "Pick-Sloan Missouri Basin Program - Individually Authorized Projects," Seminar Proceedings; "Project Data Book," Bureau of Reclamation; and direct contact with Montana Power personnel.

TABLE 4
BEAVERHEAD COUNTY (EAST BENCH)
CROPLAND VALUATION: RESERVOIR INUNDATION

Year	County Cash Crop Receipts (thousands, $)	County Cropland Acres	Crop Acres Inundated	Direct Benefit (1989 $)	Direct Benefit with Interest (1989 $)	Indirect Benefit (1989 $)	Indirect Benefit with Interest (1989 $)
1989			2,185	68,416	68,416	164,616	164,616
1988			2,185	71,992	77,125	173,221	185,571
1987	7,608	236,345	2,185	75,851	86,394	182,504	207,873
1986	6,054	231,071	2,185	63,036	76,164	151,671	183,258
1985	8,026	225,798	2,185	84,285	109,792	202,799	264,170
1984	2,796	220,524	2,185	30,348	43,453	73,020	104,553
1983	3,530	215,251	2,185	40,068	62,419	96,407	150,187
1982	7,197	209,977	2,185	85,104	147,255	204,768	354,310
1981	6,288	210,782	2,185	77,108	150,951	185,530	363,204
1980	5,260	211,586	2,185	70,121	152,221	168,717	366,260
1979	4,187	212,391	2,185	63,094	150,322	151,811	361,691
1978	7,218	213,195	2,185	120,463	309,219	289,847	744,011
1977	3,597	212,475	2,185	64,985	176,335	156,359	424,279
1976	3,494	211,756	2,185	67,394	192,968	162,157	464,300
1975	4,212	211,036	2,185	85,144	259,101	204,866	623,422
1974	3,560	210,316	2,185	79,890	261,855	192,223	630,050
1973	3,188	220,864	2,185	78,596	275,674	189,110	663,298
1972	1,997	231,412	2,185	51,248	188,326	123,309	453,131
1971	1,438	241,959	2,185	36,426	140,110	87,645	337,118
1970	1,385	252,507	2,185	34,668	141,987	83,414	341,634
1969	1,325	263,055	2,185	32,910	144,303	79,184	347,206
1968	1,231	262,325	2,185	31,819	147,362	76,561	354,568
1967	1,362	261,595	2,185	36,324	176,367	87,400	424,357
1966	1,271	260,865	2,185	34,356	175,433	82,663	422,110
1965	1,291	260,135	2,185	36,139	192,031	86,954	462,046

TABLE 4 (continued)
LEWIS & CLARK COUNTY (CANYON FERRY)
CROPLAND VALUATION: RESERVOIR INUNDATION

Year	County Cash Crop Receipts (thousands, $)	County Cropland Acres	Crop Acres Inundated	Direct Benefit (1989 $)	Direct Benefit with Interest (1989 $)	Indirect Benefit (1989 $)	Indirect Benefit with Interest (1989 $)
1989			2,050	80,816	80,816	194,452	194,452
1988			2,050	83,411	89,359	200,696	215,006
1987	4,350	109,727	2,050	87,642	99,825	210,876	240,189
1986	3,753	107,280	2,050	78,969	95,414	190,006	229,576
1985	4,575	104,833	2,050	97,088	126,469	233,604	304,297
1984	3,827	102,387	2,050	83,939	120,187	201,966	289,183
1983	4,896	99,940	2,050	112,297	174,942	270,198	420,927
1982	3,853	97,493	2,050	92,065	159,301	221,519	383,293
1981	3,664	103,611	2,050	85,758	167,884	206,341	403,946
1980	2,955	109,729	2,050	71,267	154,710	171,475	372,247
1979	2,850	115,846	2,050	73,873	176,003	177,746	423,482
1978	2,504	121,964	2,050	68,536	175,926	164,905	423,297
1977	2,585	118,140	2,050	78,803	213,832	189,609	514,501
1976	2,995	114,316	2,050	100,399	287,469	241,570	691,679
1975	3,110	110,491	2,050	112,663	342,844	271,079	824,916
1974	3,007	106,667	2,050	124,853	409,232	300,409	984,653
1973	2,823	112,471	2,050	128,228	449,755	308,529	1,082,154
1972	2,227	118,274	2,050	104,912	385,527	252,428	927,616
1971	1,597	124,078	2,050	74,015	284,692	178,088	684,996
1970	1,846	129,881	2,050	84,273	345,153	202,770	830,473
1969	1,006	135,685	2,050	45,450	199,290	109,358	479,511
1968	932	132,135	2,050	44,909	207,985	108,057	500,433
1967	1,171	128,584	2,050	59,577	289,269	143,349	696,011
1966	1,265	125,034	2,050	66,953	341,889	161,096	822,618
1965	1,267	121,483	2,050	71,237	378,532	171,403	910,787
1964	1,103	117,933	2,050	65,030	358,545	156,470	862,695
1963	1,388	120,111	2,050	80,616	459,057	193,971	1,104,538
1962	1,263	122,289	2,050	71,818	421,305	172,801	1,013,701
1961	1,165	124,467	2,050	65,271	394,042	157,049	948,105
1960	1,181	126,645	2,050	65,046	406,625	156,508	978,381
1959	1,295	128,823	2,050	70,756	460,501	170,247	1,108,011
1958	1,375	123,481	2,050	78,109	518,982	187,939	1,248,722
1957	1,027	118,138	2,050	62,325	428,724	149,961	1,031,553
1956	1,132	112,796	2,050	74,682	528,267	179,694	1,271,062
1955	1,127	107,453	2,050	80,108	577,356	192,749	1,389,176

TABLE 4 (continued)
LIBERTY COUNTY (TIBER)
CROPLAND VALUATION: RESERVOIR INUNDATION

Year	County Cash Crop Receipts (thousands, $)	County Cropland Acres	Crop Acres Inundated	Direct Benefit (1989 $)	Direct Benefit with Interest (1989 $)	Indirect Benefit (1989 $)	Indirect Benefit with Interest (1989 $)
1989			1,439	42,401	42,401	102,021	102,021
1988			1,439	46,488	49,803	111,855	119,830
1987	21,135	586,285	1,439	55,942	63,718	134,602	153,312
1986	20,152	582,253	1,439	54,841	66,263	131,954	159,434
1985	10,256	578,221	1,439	27,699	36,082	66,647	86,816
1984	22,827	574,188	1,439	62,669	89,732	150,787	215,903
1983	29,680	570,156	1,439	83,761	130,487	201,538	313,965
1982	41,072	566,124	1,439	118,635	205,274	285,447	493,909
1981	35,857	562,092	1,439	108,591	212,585	261,282	511,501
1980	27,617	558,059	1,439	91,929	199,564	221,190	480,171
1979	21,166	554,027	1,439	80,526	191,855	193,755	461,622
1978	19,029	549,995	1,439	81,074	208,110	195,072	500,733
1977	14,676	552,745	1,439	67,123	182,137	161,504	438,240
1976	19,984	555,494	1,439	96,771	277,082	232,842	666,688
1975	18,491	558,244	1,439	93,055	283,173	223,899	681,342
1974	14,944	560,993	1,439	82,808	271,420	199,244	653,064
1973	12,775	557,070	1,439	82,240	288,453	197,877	694,048
1972	11,867	553,146	1,439	83,912	308,359	201,901	741,942
1971	8,655	549,223	1,439	63,626	244,729	153,090	588,843
1970	8,912	545,299	1,439	68,017	278,572	163,655	670,271
1969	5,441	541,376	1,439	43,259	189,681	104,085	456,392
1968	11,019	544,375	1,439	90,431	418,803	217,585	1,007,681
1967	8,733	547,373	1,439	73,286	355,829	176,333	856,160
1966	10,482	550,372	1,439	88,476	451,792	212,882	1,087,056
1965	6,605	553,370	1,439	57,248	304,199	137,744	731,933
1964	4,371	556,369	1,439	38,343	211,406	92,258	508,665
1963	3,978	552,531	1,439	35,246	200,701	84,805	482,906
1962	3,879	548,692	1,439	34,507	202,426	83,026	487,058
1961	4,946	544,854	1,439	44,442	268,298	106,932	645,552
1960	7,579	541,015	1,439	68,588	428,768	165,030	1,031,658
1959	9,064	537,177	1,439	83,359	542,520	200,569	1,305,357
1958	9,737	429,742	1,439	111,595	741,472	268,510	1,784,055
1957	10,147	322,306	1,439	158,407	1,089,655	381,143	2,621,819

TABLE 4 (continued)
BROADWATER COUNTY (CANYON FERRY)
CROPLAND VALUATION: RESERVOIR INUNDATION

Year	County Cash Crop Receipts (thousands, $)	County Cropland Acres	Crop Acres Inundated	Direct Benefit (1989 $)	Direct Benefit with Interest (1989 $)	Indirect Benefit (1989 $)	Indirect Benefit with Interest (1989 $)
1989			11,177	500,396	500,396	1,204,004	1,204,004
1988			11,177	526,553	564,097	1,266,940	1,357,273
1987	7,002	139,623	11,177	604,469	688,494	1,454,413	1,656,585
1986	6,149	139,841	11,177	541,172	653,875	1,302,113	1,573,288
1985	5,629	140,060	11,177	487,488	635,013	1,172,944	1,527,904
1984	6,938	140,278	11,177	605,569	867,080	1,457,060	2,086,281
1983	8,982	140,497	11,177	798,997	1,244,713	1,922,466	2,994,903
1982	18,637	140,715	11,177	1,682,202	2,910,712	4,047,547	7,003,464
1981	16,269	136,917	11,177	1,571,075	3,075,629	3,780,162	7,400,272
1980	12,608	133,119	11,177	1,366,555	2,966,584	3,288,068	7,137,898
1979	6,661	129,321	11,177	843,268	2,009,093	2,028,988	4,834,078
1978	7,176	125,523	11,177	1,040,514	2,670,908	2,503,581	6,426,472
1977	3,597	123,302	11,177	572,826	1,554,353	1,378,276	3,739,928
1976	5,308	121,081	11,177	915,932	2,622,559	2,203,825	6,310,140
1975	4,321	118,860	11,177	793,239	2,413,891	1,908,613	5,808,064
1974	4,948	116,639	11,177	1,024,282	3,357,290	2,464,524	8,077,976
1973	3,534	115,050	11,177	855,558	3,000,844	2,058,559	7,220,332
1972	2,796	113,461	11,177	748,706	2,751,327	1,801,462	6,619,968
1971	1,998	111,871	11,177	560,067	2,154,235	1,347,578	5,183,305
1970	1,981	110,282	11,177	580,643	2,378,102	1,397,086	5,721,951
1969	1,742	108,693	11,177	535,612	2,348,544	1,288,736	5,650,831
1968	1,680	108,702	11,177	536,315	2,483,788	1,290,428	5,976,243
1967	1,603	108,711	11,177	525,983	2,553,836	1,265,567	6,144,784
1966	1,516	108,721	11,177	502,988	2,568,451	1,210,240	6,179,950
1965	1,407	108,730	11,177	482,162	2,562,064	1,160,129	6,164,582
1964	1,411	108,739	11,177	491,784	2,711,451	1,183,282	6,524,023
1963	1,923	108,819	11,177	671,932	3,826,209	1,616,736	9,206,242
1962	1,722	108,898	11,177	599,340	3,515,913	1,442,072	8,459,639
1961	1,317	108,978	11,177	459,455	2,773,740	1,105,495	6,673,895
1960	1,409	109,057	11,177	491,130	3,070,214	1,181,707	7,387,243
1959	1,392	109,137	11,177	489,255	3,184,203	1,177,198	7,661,511
1958	1,532	105,508	11,177	555,481	3,690,775	1,336,543	8,880,373
1957	1,473	101,880	11,177	564,855	3,885,543	1,359,099	9,349,006
1956	1,628	98,251	11,177	672,404	4,756,246	1,617,870	11,444,003
1955	1,466	94,623	11,177	645,067	4,649,117	1,552,095	11,186,240

TABLE 4 (continued)
TOOLE COUNTY (TIBER)
CROPLAND VALUATION: RESERVOIR INUNDATION

Year	County Cash Crop Receipts (thousands, $)	County Cropland Acres	Crop Acres Inundated	Direct Benefit (1989 $)	Direct Benefit with Interest (1989 $)	Indirect Benefit (1989 $)	Indirect Benefit with Interest (1989 $)
1989			1,330	27,074	27,074	65,144	65,144
1988			1,330	36,394	38,989	87,568	93,811
1987	18,254	671,593	1,330	38,984	44,403	93,800	106,838
1986	14,642	668,538	1,330	32,075	38,755	77,176	93,248
1985	7,978	665,483	1,330	17,303	22,540	41,633	54,233
1984	29,229	662,429	1,330	64,287	92,048	154,680	221,478
1983	38,005	659,374	1,330	85,718	133,536	206,247	321,300
1982	48,309	656,319	1,330	111,245	192,488	267,667	463,145
1981	42,180	653,264	1,330	101,587	198,872	244,428	478,507
1980	32,501	650,210	1,330	85,820	186,303	206,493	448,264
1979	24,524	647,155	1,330	73,825	175,889	177,631	423,207
1978	20,566	644,100	1,330	69,153	177,510	166,389	427,107
1977	17,950	637,466	1,330	65,794	178,531	158,307	429,563
1976	28,430	630,833	1,330	112,046	320,819	269,595	771,922
1975	28,461	624,199	1,330	118,392	360,275	284,862	866,858
1974	13,575	617,565	1,330	63,156	207,007	151,960	498,079
1973	13,039	623,762	1,330	69,286	243,019	166,709	584,728
1972	12,510	629,958	1,330	71,792	263,819	172,739	634,776
1971	9,151	636,155	1,330	53,677	206,462	129,152	496,767
1970	10,285	642,351	1,330	61,585	252,230	148,180	606,891
1969	7,065	648,548	1,330	43,331	189,998	104,259	457,154
1968	7,064	650,148	1,330	57,526	266,413	138,412	641,016
1967	9,058	651,747	1,330	70,495	342,278	169,618	823,554
1966	10,822	653,347	1,330	51,503	262,996	123,922	632,794
1965	7,837	654,946	1,330	34,431	182,954	82,844	440,206
1964	5,087	656,546	1,330	34,956	192,728	84,107	463,724
1963	3,656	650,929	1,330	25,415	144,723	61,151	348,217
1962	5,410	645,312	1,330	37,820	221,865	90,999	533,830
1961	4,726	639,696	1,330	33,428	201,807	80,432	485,568
1960	6,309	634,079	1,330	45,021	281,438	108,324	677,169
1959	9,139	628,462	1,330	66,397	432,129	159,758	1,039,747
1958	10,578	502,770	1,330	95,779	636,384	230,454	1,531,203
1957	10,141	377,077	1,330	125,065	860,297	300,918	2,069,962

TABLE 5
ESTIMATED INUNDATED ACRES FOR PROJECTS PLANNED BUT NOT COMPLETED

County[1]	Total Est. Inundated Acres[2]	Est. Crop Inundated Acres[3]	Est. Pasture Inundated Acres[4]	Est. Forestry Inundated Acres[5]	Est. Completion Year (acres)[6]
Beaverhead	1,416	377	66	113	1970
Lewis & Clark	6,427	1,709	301	514	1966 (5,958) 1970 (469)
Park	33,476	8,901	1,570	2,678	1966 (33,141) 1970 (112)
Powder River	14,523	3,862	681	1,162	1966
Sweetgrass	447	119	21	36	1970
Gallatin	1,304	347	61	104	1970
Judith Basin	758	202	36	60	1966 (646) 1970 (112)
Meagher	372	99	17	30	1966
Fergus	112	30	5	9	1970
Jefferson	223	59	10	18	1970
Deer Lodge	372	99	17	30	1970
Sheridan	193,638	51,488	9,082	15,491	1966

[1] Counties where reservoir projects were planned, but not completed (see Appendix Table 2 for reservoir/county location detail).

[2]

	SD 191 Acre/Feet Capacity	Avg # Acres Inundated (PILT Table 14)	Acres to Acre Feet Result	
Clark Canyon	150,000	9,176	.061173	
Canyon Ferry	2,000,000	48,519	.024259	Average Factor = .0372375
Tiber	915,000	42,069	.045978	
Yellowtail	470,000	8,244	.017540	

(See agricultural methodology for more details on computation.)

[3] Estimated crop inundated acres were obtained by multiplying total estimated inundated acres by .2659. (See agricultural methodology for more details on computation.)

[4] Estimated pasture inundated acres were obtained by multiplying total estimated inundated acres by .0469. (See pasture methodology for more details on computation.)

[5] Estimated forestry inundated acres were obtained by multiplying tota estiamted inundated acres by .08. (See forestry methodology for more details on computation.)

[6] See Table 2, Footnote 1.

TABLE 6
CROPLAND VALUATION: INUNDATION DUE TO RESERVOIRS PLANNED BUT NOT COMPLETED

Year	Montana Cash Crop Receipts (thousands $)	Montana Cropland Acres	Montana Value per Acre ($)	Crop Acres Inundated[1]	Direct Benefit ($)	Direct Benefit (1989 $)	Direct Benefit with Interest (1989 $)	Indirect Benefit (1989 $)	Indirect Benefit with Interest (1989 $)
1989			28.49	67,291	1,916,991	1,916,991	1,916,991	4,612,471	4,612,471
1988			28.49	67,291	1,916,991	2,017,197	2,161,023	4,853,577	5,199,637
1987	587,140	17,829,766	32.93	67,291	2,215,915	2,389,662	2,721,840	5,749,767	6,549,020
1986	493,015	17,554,279	28.09	67,291	1,889,880	2,081,015	2,514,403	5,007,130	6,049,904
1985	422,444	17,278,792	24.45	67,291	1,645,177	1,785,391	2,325,691	4,295,830	5,595,846
1984	653,780	17,003,305	38.45	67,291	2,587,351	2,834,325	4,058,308	6,819,669	9,764,694
1983	846,939	16,727,818	50.63	67,291	3,406,982	3,809,625	5,934,806	9,166,339	14,279,736
1982	980,328	16,452,331	59.59	67,291	4,009,599	4,556,363	7,883,867	10,963,064	18,969,373
1981	854,196	16,397,400	52.09	67,291	3,505,416	4,146,747	8,117,920	9,977,489	19,532,527
1980	660,450	16,342,470	40.41	67,291	2,719,439	3,510,548	7,620,869	8,446,729	18,336,572
1979	571,071	16,287,539	35.06	67,291	2,359,346	3,455,906	8,233,718	8,315,254	19,811,148
1978	545,060	16,232,608	33.58	67,291	2,259,503	3,679,396	9,444,687	8,852,994	22,724,862
1977	470,666	16,035,886	29.35	67,291	1,975,044	3,469,794	9,415,227	8,348,671	22,653,979
1976	582,492	15,839,164	36.78	67,291	2,474,655	4,625,918	13,245,241	11,130,421	31,869,373
1975	587,992	15,642,442	37.59	67,291	2,529,437	4,938,151	15,027,191	11,881,684	36,156,925
1974	754,906	15,445,720	48.87	67,291	3,288,832	7,104,625	23,286,845	17,094,438	56,030,477
1973	554,964	15,578,291	35.62	67,291	2,397,187	5,973,900	20,953,270	14,373,801	50,415,663
1972	328,464	15,710,862	20.91	67,291	1,406,840	3,824,047	14,052,515	9,201,040	33,811,756
1971	225,243	15,843,433	14.22	67,291	956,663	2,684,092	10,324,058	6,458,194	24,840,717
1970	246,096	15,976,004	15.40	67,291	1,036,557	2,997,771	12,277,772	7,212,937	29,541,547
1969	204,735	16,108,575	12.71	66,017	839,056	2,509,539	11,003,790	6,038,202	26,476,218
1968	184,179	15,928,539	11.56	66,017	763,343	2,369,834	10,975,200	5,702,058	26,407,429
1967	220,813	15,748,503	14.02	66,017	925,638	2,954,678	14,346,029	7,109,252	34,517,980
1966	218,733	15,568,467	14.05	66,017	927,522	2,994,421	15,290,658	7,204,875	36,790,852

[1] See Table 5, column 3.

TABLE 7
IRRIGATION PROJECT INFORMATION BY COUNTY

County[1]	Full Acres[1]	Full Acres Irrigated[2]	Full Acres Not Irrigated	Supplemental Acres[1]	Supplemental Acres Irrigated[2]	Supplemental Acres Not Irrigated
Beaverhead	32,400	21,800	10,600	34,200	28,000	6,200
Bighorn	64,000		64,000	16,600		16,600
Broadwater	7,100		7,100			
Carbon	1,500		1,500			
Carter	7,500		7,500			
Cascade	24,700		24,700			
Chouteau	120,000		120,000			
Custer	3,120		3,120			
Dawson	21,170	2,200	18,970			
Fergus	4,000		4,000			
Gallatin	152,800	23,400	129,400	137,100		137,100
Jefferson	9,400		9,400	8,200		8,200
Judith Basin	4,200		4,200	6,700		6,700
Lewis & Clark	17,200	15,608	1,592	12,300	832	11,468
Madison	4,000		4,000	6,700		6,700
Meagher	3,900		3,900			
McCone	15,770		15,770			
Park				8,400		8,400
Phillips	10,900		10,900			
Powder	42,600		42,600			
Prairie	9,570		9,570			
Richland	20,960		20,960			
Roosevelt	121,000		121,000			
Rosebud	43,590		43,590			
Sheridan	45,600		45,600			
Sweetgrass	1,630		1,630	12,100		12,100
Teton	70,300		70,300	3,500		3,500
Treasure	27,130		27,130			
Valley	59,400		59,400			
Yellowstone	12,920		12,920			

[1] Senate Document 191 (Refer to Table 1 for project name).
[2] Irrigation projects completed data obtained from "Project Data Book, 1981," Water and Resource Service (Bureau of Reclamation).

TABLE 8-A
CROP INFORMATION BY COUNTY
1945-1987
BEAVERHEAD

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	80.0	49.0	100	2.69	79.0	58.0	8,000	2.00	2.20	1.30	119,700	49.50	93.0		300	1.45				71.0	35.0	6,500
1986		31.0		2.52	76.0	30.9	8,000	1.60	2.40	1.74	115,500	54.00	92.0	50.0	300	1.35				51.0	18.0	4,500
1985	63.0	16.0	900	3.45	61.0	18.1	6,000	2.02	1.57	1.10	177,000	84.50	64.0		600	1.50				46.0	8.0	6,200
1984	66.0	33.4	100	3.52	63.0	21.8	7,700	2.39	1.81	1.28	199,300	78.00	80.0	45.0	700	1.77				59.0	26.1	5,100
1983	62.0	40.0	100	3.67	79.0	40.8	9,100	2.40	1.88	1.00	142,300	63.00	70.0	54.0	500	1.55				68.0	40.0	5,000
1982		33.0		3.65	60.0	53.2	5,500	2.08	1.93	1.14	155,400	52.50	76.0	22.0	700	1.50				60.0	30.0	7,400
1981	63.0	31.6	400	3.68	68.0	49.3	8,600	2.32	2.02	1.00	141,000	48.50	73.0		600	1.89				68.0	27.5	8,000
1980	65.0	37.0	200	4.22	65.0	41.0	8,500	2.83	1.71	1.25	174,000	62.50	61.0		400	1.96				68.0	42.7	2,400
1979		20.3		3.67	60.0	23.4	7,100	2.11	1.64	0.97	159,300	54.88	54.4	33.0	700	1.53				66.0	12.0	2,000
1978		28.0		2.92	64.0	29.0	11,100	1.82	1.79	1.18	136,600	44.52	63.0	42.0	600	1.48				58.0	36.0	1,800
1977		30.0		2.47	57.0	25.2	10,300	1.70	1.74	1.26	148,400	48.15	75.0	60.0	400	1.40				41.0	37.5	1,300
1976		25.0		2.50	61.0	37.0	6,400	2.04	1.64	1.00	141,300	44.80	66.0	46.0	700	1.49				40.0		4,000
1975	60.0	24.6	100	3.72	56.0	40.0	5,500	2.13	1.63	1.07	142,100	40.32	59.0	44.0	200	1.54				60.0		3,200
1974	50.0	13.3	100	4.33	60.0	27.0	3,600	2.55	1.81	0.97	129,700	40.41	66.0		100	1.74				34.0		2,800
1973	50.0	22.0	100	4.28	47.0	28.0	2,800	2.26	1.69	0.88	130,400	59.34	64.0	20.0	300	1.33				39.0		2,100
1972	52.0	23.5	100	1.94	62.0	21.0	2,800	1.22	1.73	0.90	133,000	34.36	65.0	34.0	500	0.86				42.0	32.0	1,500
1971	57.0	26.0	200	1.19	46.0	33.0	3,000	0.91	1.57	1.00	136,800	24.96	62.0		400	0.64				48.0	17.0	1,800
1970	40.0	32.8	100	1.32	40.0	27.7	2,900	0.85	1.50	1.15	156,400	21.82	55.0		500	0.64				46.0		1,300
1969	47.0	32.0	200	1.23	54.6	47.2	2,700	0.80	1.39	1.47	173,400	22.41	57.0	40.0	2,000	0.60				54.0	30.0	1,300
1968	48.0	27.9	200	1.16	62.0	29.5	4,400	0.84	1.48	1.14	171,300	19.94	63.0	42.0	2,300	0.70				46.0	23.0	2,200
1967	52.0	28.0	200	1.44	67.0	29.0	5,700	0.90	1.47	1.11	176,700	21.97	63.0	35.0	2,100	0.73	42.0	30.0	200	51.0	24.5	2,600
1966	37.0	18.0	300	1.55	56.0	23.0	3,800	0.96	1.15	1.00	169,900	26.93	60.0		500	0.67	38.0		200	30.0	18.0	2,500
1965	40.0	25.8	300	1.28	46.5	40.5	3,800	0.96	1.41	1.21	181,100	22.15	65.0	63.5	1,100	0.63				51.0	25.0	2,600
1964	40.0	25.4	400	1.29	45.5	33.3	3,100	0.90	1.27	1.32	168,000	20.44	60.0		800	0.68	24.0		100	43.5	40.0	1,700
1963	40.0	23.0	200	1.86	42.0	30.0	3,300	0.87	1.32	1.00	203,200	18.91	54.0		1,500	0.62	34.0	20.0	200	30.0	24.0	800
1962	32.0	18.0	100	2.00	58.0	26.0	4,000	0.89	1.09	1.32	218,500	20.96	55.0		1,800	0.63	38.0	24.0	100	35.0	25.0	1,400
1961	25.0	13.0	100	1.88	37.0	21.0	3,400	0.95	0.94	1.06	201,100	24.60	64.0		1,700	0.65				34.0		1,000
1960	25.0	15.0	100	1.73	42.0	12.0	3,300	0.78	1.05	1.00	190,700	23.43	48.0		2,300	0.62	26.0		800	25.0	15.0	900
1959		23.0		1.62	43.0	28.0	2,800	0.78	1.13	0.93	216,100	20.92	60.0		3,000	0.63	40.0		100	39.0		2,400
1958		24.0		1.54	48.0	37.0	2,600	0.78	1.20	0.95	217,400	13.45	63.0		2,600	0.55	26.0		100	38.0	26.0	2,900
1957		13.0		1.91	45.0	17.0	4,000	0.76	0.95	0.75	205,200	13.99	54.0		1,800	0.50				45.0	21.0	2,100
1956		13.0		1.86	49.0	22.0	3,400	0.87	1.08	0.50	204,400	20.42	60.0	28.0	1,000	0.56	36.0		1,200	40.0	8.0	3,900
1955		18.0		2.18	40.0	17.0	4,100	0.72	1.02	1.00	200,000	21.62	44.0		2,900	0.56				39.0		4,100
1954	31.0	15.0	200	2.01	32.0	24.0	3,400	1.03	1.01	0.63	197,100	21.53	51.0	12.0	2,600	0.68	25.0		100	33.0		4,500
1953		10.0		1.85	39.0	11.0	2,200	1.09	0.92	0.69	220,800	20.00	45.0		2,400	0.70				32.0	12.0	7,300
1952		19.0		1.95	48.0	22.0	2,100	1.23	0.92	0.71	206,300	28.28	51.0		2,500	0.80				37.0		5,900
1951		9.0		0.76	40.0	18.0	3,300	1.16	0.94	0.71	216,600	34.90	40.0		2,100	0.85				41.0		2,400
1950		20.0		3.25	44.0	16.0	2,900	0.97	0.97	0.58	227,000	19.70	45.0		3,600	0.71				40.0	29.0	1,900
1949		15.0		1.86	44.0	16.0	3,000	0.79	1.13	0.70	213,200	20.00	40.0	25.0	4,000	0.68				41.0	16.0	4,800
1948		22.0		1.88	41.0	19.0	3,600	1.00	1.14	0.75	217,400	20.00	52.0	20.0	4,000	0.76				45.0	17.0	4,300
1947				2.37	41.0	33.0	3,900	1.41				17.40				0.96						
1946				1.85	40.0	28.0	3,600	1.18				17.40				0.75						
1945		24.0		1.44	42.0	30.0	2,100	0.93				12.70	54.0		4,200	0.61				29.0		1,200

[1] The all wheat price us used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
BIG HORN

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	57.0	34.0	300	2.69	70.0	37.0	10,000	2.00	3.50	1.00	21,000	49.50	90.0	50.0	200	1.45				70.0	32.0	3,300
1986	52.0	32.8	900	2.52	75.0	36.1	9,200	1.60	2.96	1.50	16,800	54.00	76.0	42.0	200	1.35				69.0	27.3	3,700
1985	54.0	19.9	1,000	3.45	80.0	22.4	3,600	2.02	3.09	0.89	21,000	84.50	68.0	32.0	100	1.50		8.5		68.0	16.0	2,000
1984	46.0	27.8	800	3.52	72.0	28.5	4,100	2.39	2.57	1.38	26,000	78.00	82.0	42.0	200	1.77				62.0	21.4	5,100
1983	47.0	28.8	900	3.67	74.0	25.2	4,000	2.40	3.37	1.53	22,300	63.00	65.0	37.0	500	1.55		28.0		51.0	21.6	3,000
1982	50.0	36.0	400	3.65	62.0	43.8	2,700	2.08	3.31	1.67	28,400	52.50	85.0	57.2	300	1.50		25.0		60.0	22.0	1,900
1981	46.0	34.9	900	3.68	73.0	41.9	2,300	2.32	3.35	1.76	20,000	48.50	82.0	48.0	200	1.89				63.0	26.0	2,200
1980	43.0	25.0	1,300	4.22	58.0	24.5	1,500	2.83	2.56	1.44	24,000	62.50	78.0	41.0	200	1.96				46.0	27.5	1,800
1979	40.0	25.8	1,300	3.50	64.0	30.9	4,700	2.19	3.55	1.47	28,100	55.39	76.0	42.8	900	1.58				50.0	15.0	700
1978	48.0	27.5	2,500	2.65	64.0	36.2	6,000	1.73	2.29	1.67	36,700	45.20	65.0	48.0	700	1.50				58.0	28.0	1,500
1977	36.0	29.0	2,800	2.26	49.3	40.0	7,000	1.75	2.39	1.33	21,800	54.36	55.7	35.0	700	1.32				45.0	35.0	3,100
1976	46.0	31.0	4,500	2.22	47.0	41.8	4,900	2.06	2.77	1.69	28,900	49.96	67.0	51.0	800	1.52	42.0		100	40.0	35.0	2,100
1975	39.0	33.1	3,500	3.15	44.5	32.0	3,900	2.29	2.67	1.78	32,600	45.06	56.1	53.2	800	1.65				37.0	13.1	1,100
1974	42.0	34.7	3,300	3.90	51.0	41.0	2,700	2.61	2.49	1.40	33,000	47.68	62.0	46.0	1,200	1.79	39.0	15.0	100	39.0	30.2	1,000
1973	44.0	26.0	2,800	4.26	46.0	28.0	1,900	2.24	2.51	1.49	27,300	57.85	64.0	47.0	800	1.31	42.0	22.0	100	36.0	20.0	1,400
1972	52.0	34.0	2,200	1.83	39.0	33.0	1,500	1.23	2.34	1.49	35,500	32.61	69.0	46.0	500	0.84	34.0	29.0	100	33.0	22.5	1,400
1971	44.0	30.0	700	1.13	53.0	40.0	2,000	0.95	2.45	1.51	25,300	26.44	65.0	35.0	400	0.66	35.0	25.0	200	35.0	27.0	2,200
1970	33.0	25.9	1,000	1.21	37.0	21.7	1,000	0.86	2.30	1.44	24,200	23.27	64.0	28.8	800	0.69		18.0		29.0	15.0	1,500
1969	36.0	26.9	1,600	1.13	42.7	34.5	3,800	0.85	2.35	1.30	31,600	24.66	59.0	43.0	1,900	0.68	40.0	18.0	100	36.0	26.6	1,000
1968	38.0	34.0	1,300	1.08	43.0	41.0	2,200	0.87	2.16	1.35	32,900	20.70	68.0	43.0	1,500	0.66	40.0	19.0	200	34.5	28.2	1,500
1967	41.5	34.0	1,100	1.30	45.0	38.0	2,900	0.96	2.52	1.52	25,300	21.52	70.0	42.0	1,100	0.69	35.0	17.0	100	35.0	21.0	2,900
1966	41.0	27.0	2,200	1.46	44.0	31.0	3,700	1.00	2.05	1.02	26,300	29.03	54.0	36.0	1,300	0.67	31.0		200	31.0	22.0	1,600
1965	34.0	23.4	2,600	1.15	39.0	30.1	2,900	0.92	2.00	1.15	24,100	23.18	51.0	44.6	1,700	0.61	35.0	24.0	100	22.0	15.5	2,500
1964	30.0	28.7	2,800	1.23	43.0	31.0	3,100	0.89	2.19	1.52	23,200	21.79	50.0	38.0	1,500	0.64	41.0		300	32.0	25.2	2,900
1963	38.0	32.0	4,300	1.71	43.0	35.0	5,400	0.78	1.99	1.29	25,900	16.71	56.0	46.0	1,600	0.60	42.0	18.0	300	35.0	22.0	3,600
1962	32.0	27.0	2,700	1.92	40.0	35.0	4,200	0.81	2.17	1.67	24,500	18.34	53.0	48.0	3,200	0.68	22.0		200	33.0	32.0	2,900
1961	22.0	9.0	2,700	1.77	35.0	12.0	4,600	0.94	1.97	0.84	23,300	27.53	57.0	16.0	3,300	0.68	20.0	19.0	100	41.0	17.0	1,600
1960	32.0	20.0	4,100	1.59	25.0	21.0	5,100	0.83	1.96	1.06	23,200	27.49	48.0	26.0	4,000	0.66	25.0	11.0	600	31.0	15.0	2,500
1959	32.0	25.0	4,300	1.56	39.0	29.0	6,000	0.86	1.83	0.99	22,500	26.04	47.0	26.0	2,400	0.63	26.0	18.0	100	29.0	20.0	3,100
1958	31.0	28.5	4,400	1.49	38.0	39.0	6,000	0.76	1.97	1.03	23,500	16.55	46.0	44.0	2,100	0.57		19.0		29.0	25.0	2,800
1957	30.0	33.0	4,900	1.79	40.0	35.0	5,200	0.79	1.81	1.19	27,200	16.41	57.0	30.0	1,500	0.56		30.0		32.0	18.0	1,700
1956	29.0	22.0	3,200	1.79	40.0	26.0	5,000	0.89	2.18	1.08	26,600	22.00	51.0	30.0	1,800	0.63	41.0	20.0	100	30.0	10.0	4,900
1955	26.0	20.0	2,500	1.85	35.0	27.0	3,900	0.89	1.88	1.14	30,200	19.32	47.0	25.0	900	0.60				29.0	13.0	4,300
1954	29.0	18.0	4,500	2.00	31.0	15.0	6,800	1.13	1.83	0.88	30,400	20.04	46.0	16.0	3,300	0.71		14.0		23.0	10.0	5,900
1953	24.0	13.0	1,700	1.87	33.0	14.0	3,600	1.08	2.05	1.01	2,800	17.25	40.0	17.0	2,700	0.75				19.0	12.0	11,800
1952	27.0	19.0	3,800	1.96	35.0	19.0	3,500	1.23	2.04	0.76	21,400	26.90	42.0	30.0	2,000	0.87				22.0	14.0	15,700
1951	24.0	25.0	2,400	1.72	31.0	20.0	3,300	1.04	1.62	0.78	20,900	31.20	38.0	25.0	2,100	0.80				21.0	13.5	15,200
1950	28.0	25.0	3,600	1.86	31.0	32.0	5,500	0.96	1.45	1.00	26,100	26.20	46.0	38.0	3,600	0.65				24.0	18.5	12,800
1949	23.0	14.0	2,300	1.86	34.0	11.8	5,600	1.08	1.50	0.73	28,700	26.50	45.0	9.0	3,900	0.62				26.0	11.5	8,500
1948	25.0	21.0	6,000	1.88	33.0	27.0	6,000	0.98	1.34	1.12	35,500	23.00	47.0	32.0	3,500	0.68				25.0	19.0	13,400
1947				2.37	26.0	24.0	6,300	1.41				17.40				0.96						
1946				1.85	40.0	24.0	5,000	1.18				17.50				0.75						
1945	31.0	23.2	2,600	1.44	31.0	21.0	3,000	0.93				12.70	35.0	23.0	2,300	0.61				17.0	15.5	5,800

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
BROADWATER

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	55.0	39.0	200	2.69	76.0	47.0	6,300	2.00	3.40	1.30	21,000	49.50	100.0	75.0	400	1.45	55.0		600	64.0	32.0	9,000
1986	68.0	30.3	700	2.52	84.0	37.8	7,600	1.60	3.26	1.41	20,600	54.00	74.0	25.0	400	1.35				65.0	32.2	12,900
1985	25.0	12.6	800	3.45	64.0	13.3	5,400	2.02	2.27	0.58	18,600	84.50	74.0		400	1.50				46.0	8.0	7,000
1984	52.0	27.7	400	3.52	62.0	32.1	7,400	2.39	2.68	1.13	21,400	78.00	68.0	29.0	1,000	1.77				63.0	22.9	6,600
1983	60.0	37.0	500	3.67	81.0	48.5	16,200	2.40	2.79	1.09	17,800	63.00	93.0	33.0	900	1.55				65.3	25.0	6,000
1982	65.0	35.0	1,000	3.65	75.0	41.5	7,500	2.08	3.73	1.43	12,700	52.50	79.0	31.0	900	1.50				70.0	29.0	9,500
1981	56.0	38.6	400	3.68	63.0	42.0	9,300	2.32	3.77	1.60	15,500	48.50	71.0	41.0	800	1.89				54.0	26.5	16,000
1980	60.0	36.5	400	4.22	66.0	40.1	8,700	2.83	[illegible].26	1.32	17,500	62.50	64.0	35.0	400	1.96				60.0	33.6	10,100
1979		25.0		3.74	61.0	33.1	12,500	2.05	3.21	1.44	18,600	54.86	66.0	28.7	1,300	1.45				57.0	21.8	9,000
1978	54.0	31.0	100	2.87	65.0	36.6	17,300	1.71	3.28	1.30	18,400	45.43	65.0	39.0	1,300	1.31				56.0	26.0	7,500
1977	42.0	35.0	400	2.46	65.0	34.0	17,000	1.64	2.80	1.29	22,400	55.92	58.0	30.0	1,000	1.40				42.0	20.0	14,000
1976	40.0	35.0	200	2.41	59.0	39.1	10,100	2.03	2.68	1.30	22,400	45.77	52.0	35.0	1,200	1.56				49.0	33.0	9,300
1975	35.0	32.5	400	3.46	64.5	27.5	10,900	2.19	2.70	1.30	20,000	40.43	63.0		2,400	1.57		27.0		45.0	19.4	2,200
1974	32.0	14.3	700	4.25	36.0	12.0	6,200	2.67	2.23	0.76	21,000	46.27	41.0	25.0	1,500	1.60				38.0	14.7	3,000
1973		15.0		4.33	54.0	14.0	5,700	2.28	2.90	1.00	25,100	58.18	44.0	14.0	900	1.25		15.0		45.0	8.0	2,200
1972	38.0	17.5	100	1.99	59.0	24.0	3,800	1.26	3.04	1.14	20,000	34.98	68.0	33.0	1,100	0.76		20.0		39.0	26.0	2,200
1971	42.0	25.0	100	1.24	56.0	29.0	3,100	0.85	2.90	1.07	20,100	29.06	53.0	20.0	600	0.57		21.0		50.5	18.0	2,800
1970	35.0	18.9	200	1.34	60.0	31.2	2,200	0.81	3.17	1.30	24,700	24.00	63.5	26.0	1,300	0.56				40.0	13.7	2,100
1969	49.0	23.0	200	1.20	59.6	44.4	4,000	0.72	2.26	1.15	33,300	26.06	59.0	39.0	600	0.53				33.0	22.7	2,000
1968	58.0	30.4	200	1.12	63.0	52.5	3,400	0.79	2.48	1.42	25,800	21.70	70.0	39.5	600	0.60				45.0	26.4	2,100
1967	65.0	24.0	400	1.37	55.0	36.0	3,100	0.84	2.84	1.30	26,200	22.02	70.0	35.0	700	0.63				43.0	17.5	3,200
1966	44.0	18.0	400	1.48	44.0	31.0	1,900	0.87	2.53	1.05	23,400	26.81	55.0	34.0	1,000	0.57				38.0	18.0	2,400
1965	50.0	23.1	400	1.24	55.0	43.2	2,100	0.88	2.62	1.26	24,400	21.80	52.0	27.5	1,100	0.56				36.0	27.0	4,500
1964	37.0	22.2	600	1.23	44.0	27.7	2,700	0.82	2.52	1.38	22,400	21.29	61.0	46.0	1,000	0.58	38.0		100	31.0	16.8	3,000
1963	42.0	35.0	100	1.87	49.0	32.0	2,000	0.78	2.30	1.05	23,100	17.88	60.0	40.0	2,400	0.55				40.0	24.0	6,500
1962	32.0	24.0	100	2.01	39.0	34.0	1,900	0.78	2.08	1.19	22,400	18.21	57.0	33.0	3,700	0.59	25.0	18.0	200	43.0	24.0	4,200
1961		10.0		1.91	35.0	16.0	2,300	0.94	2.15	0.74	22,500	25.45	41.0	24.0	1,300	0.68				34.0	21.0	5,600
1960	30.0	24.0	200	1.65	35.0	25.7	1,700	0.73	2.11	1.02	20,900	25.45	36.0	19.0	2,000	0.62				31.0	9.0	6,600
1959		21.0		1.60	45.0	22.0	1,200	0.74	2.46	1.30	21,700	20.99	51.0	28.0	2,400	0.59	39.0		100	37.0	28.0	2,400
1958	48.0	23.0	200	1.53	30.0	38.0	900	0.78	2.13	0.85	25,300	16.01	43.0	40.0	3,900	0.54	30.0		200	34.0	29.0	3,100
1957	25.0	18.0	1,000	1.83	45.0	26.0	1,900	0.74	2.51	0.92	23,700	16.46	46.0	28.0	1,700	0.50	25.0	17.0	700	38.0	16.0	3,100
1956	27.0	12.0	1,100	1.84	45.0	18.0	1,900	0.86	2.33	1.26	23,000	24.55	47.0	27.0	2,100	0.57	32.0	15.0	1,000	38.0	20.0	5,000
1955	36.0	25.0	700	1.82	42.0	27.0	1,400	0.74	2.58	1.37	20,000	19.67	53.0	42.0	1,300	0.56				34.0	15.0	3,200
1954	29.0	23.2	800	1.98	32.0	24.0	2,900	0.95	2.12	0.88	21,400	19.91	49.0	19.0	1,600	0.69	42.0		1,100	23.0	20.0	4,700
1953	28.0	22.0	800	1.89	39.0	12.0	2,100	1.08	1.88	0.78	26,200	19.53	48.0	30.0	2,900	0.72				31.0	15.0	7,100
1952	26.0	18.0	700	1.92	42.0	22.0	1,700	1.27	1.73	0.84	17,600	30.14	50.0	24.0	1,300	0.86				36.0	20.0	7,200
1951	26.0	21.0	2,100	2.06	41.0	28.0	3,700	1.10	1.55	0.89	26,300	32.80	46.0	50.0	2,400	0.79				33.0	16.0	8,200
1950	48.0	20.5	500	1.83	34.0	33.0	4,000	0.98	1.56	0.89	26,800	26.30	57.0	24.0	3,900	0.68				28.0	19.0	4,800
1949	42.0	22.5	500	1.86	45.0	35.0	3,100	0.91	1.65	0.77	22,000	27.90	61.0	30.0	3,500	0.65				32.0	17.5	2,000
1948	38.0	21.7	800	1.88	43.0	35.0	4,400	1.00	1.69	0.96	24,900	22.00	52.0	42.0	4,900	0.70				31.0	30.0	3,800
1947				2.37	43.0	30.0	3,000	1.41				17.40				0.96						
1946				1.85	40.0	20.0	3,000	1.18				17.50				0.75						
1945	33.0	28.6	200	1.44	41.0	25.0	3,000	0.93				12.70	41.0	20.0	2,300	0.61				24.6	12.0	2,000

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
CARBON

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987	45.0	33.0	1,500	2.69	72.0	42.0	11,000	2.00	3.00	1.00	32,000	49.50	89.0	50.0	700	1.45				48.0	28.0	4,000
1986	72.0	27.4	100	2.52	84.0	30.3	9,000	1.60	2.85	1.29	29,200	54.00	75.0	29.0	800	1.35				67.0	19.7	2,200
1985	56.0	16.0	100	3.45	85.0	17.3	3,800	2.02	2.29	0.79	31,000	84.50	77.0	31.0	800	1.50				57.0	11.3	2,000
1984	51.0	26.8	1,500	3.52	79.0	26.9	6,900	2.39	2.53	1.38	33,800	78.00	72.0	31.0	800	1.77				55.0	22.5	4,200
1983	48.0	32.0	400	3.67	85.0	33.1	6,600	2.40	2.72	1.55	31,500	63.00	80.0	34.0	800	1.55				78.0	13.0	3,000
1982	60.0	32.0	100	3.65	72.0	47.8	6,700	2.08	3.17	1.88	30,900	52.50	75.0	25.5	900	1.50		25.0		75.0	25.0	1,400
1981	48.0	37.9	100	3.68	74.0	45.1	5,900	2.32	3.08	1.50	36,000	48.50	84.0	47.0	700	1.89		20.0		66.0	27.0	2,400
1980	55.0	30.0	500	4.22	60.0	33.9	8,000	2.83	2.79	1.25	35,500	62.50	69.0	40.0	700	1.96				57.0	33.3	1,100
1979	43.0	28.4	100	3.48	68.0	31.6	7,500	2.19	3.08	1.11	32,800	55.40	66.0	40.4	1,400	1.58				47.0	10.0	500
1978	50.0	30.5	300	2.66	67.0	32.8	8,500	1.73	2.63	1.37	37,900	45.21	67.0	45.0	1,000	1.50				54.0	30.5	1,000
1977	38.0	30.0	400	2.27	71.9	39.1	9,000	1.75	2.56	1.10	30,700	54.44	70.0	30.0	600	0.13				53.0	42.0	1,300
1976	42.0	30.5	500	2.25	73.0	34.3	5,100	2.07	2.46	1.17	37,900	49.96	63.0	48.0	1,200	1.52				43.0	30.5	1,300
1975	61.0	29.3	500	3.19	72.0	29.5	4,000	2.29	2.26	1.35	42,500	45.10	56.0	52.0	400	1.65				40.0	20.0	1,400
1974	40.0	34.8	500	3.92	72.0	28.0	3,900	2.62	2.87	1.69	46,800	47.74	57.0	43.0	600	1.79				31.0	8.0	800
1973	52.0	22.0	1,000	4.25	64.0	23.0	4,900	2.24	2.63	1.08	48,800	58.08	54.0	39.0	800	1.31				38.0	18.0	700
1972	56.0	31.0	500	1.83	72.0	37.5	3,500	1.23	2.9	1.55	44,500	32.63	71.0	44.0	2,200	0.84				50.0	24.5	1,100
1971	48.5	29.0	800	1.13	65.0	33.0	4,500	0.95	2.53	1.29	43,300	26.53	69.0	36.0	2,000	0.66				37.0	17.0	800
1970	40.0	22.5	500	1.23	55.0	31.0	6,000	0.86	2.42	1.26	40,800	23.27	58.0	37.0	1,700	0.69				41.0	17.9	1,000
1969	48.0	27.2	800	1.13	51.6	40.6	4,700	0.85	2.58	1.14	34,800	24.64	63.0	45.0	1,600	0.68		20.0		37.0	24.0	1,000
1968	42.0	33.9	800	1.09	52.0	38.0	4,600	0.87	2.57	1.3	42,800	20.72	70.0	46.0	1,800	0.66		26.0		36.5	24.0	1,500
1967	52.0	32.0	700	1.31	57.0	42.0	5,300	0.96	2.46	1.42	42,900	21.53	71.0	46.0	2,100	0.69				36.0	22.8	2,100
1966	36.0	24.0	1,200	1.46	56.0	28.0	4,300	1.00	2.16	1.1	42,200	29.06	63.0	36.0	2,500	0.67		20.0		36.0	27.0	2,300
1965	36.0	18.5	1,200	1.15	58.5	29.6	4,900	0.91	2.33	1.16	39,500	23.87	61.0	36.0	3,200	0.61	34.0		100	31.0	21.0	2,600
1964	36.0	25.5	1,100	1.20	52.0	27.5	4,200	0.88	2.44	1.31	37,400	21.47	63.0	39.0	2,800	0.61	38.0		100	35.0	24.0	2,600
1963	44.0	33.0	1,600	1.66	48.0	31.0	3,400	0.78	2.44	1.29	40,500	16.70	58.0	36.0	3,800	0.58	32.0		300	34.0	20.0	2,200
1962	32.0	30.0	1,000	1.84	52.0	40.0	4,100	0.80	2.40	1.45	38,700	17.89	63.0	49.0	5,400	0.64	25.0	24.0	300	39.0	18.0	2,300
1961	38.0	18.0	1,500	1.77	43.0	13.0	4,200	1.32	2.21	0.68	37,500	25.98	57.0	16.0	4,700	0.69	31.0		200	31.0	30.0	2,100
1960	36.0	16.0	1,000	1.58	35.0	15.0	3,900	0.85	2.13	1.11	35,400	26.57	58.0	24.0	5,700	0.67	28.0		100	28.0	10.0	3,400
1959	38.0	19.0	700	1.56	40.0	21.0	4,100	0.88	2.17	0.94	44,900	24.04	62.0	27.0	6,400	0.64	38.0	18.0	300	29.0	11.0	4,400
1958	39.0	28.0	700	1.50	54.0	30.0	3,000	0.76	2.25	1.32	40,400	15.03	65.0	38.0	7,400	0.60	30.0	24.0	400	36.0	16.0	3,800
1957	31.0	24.0	1,200	1.80	43.0	25.5	3,600	0.83	2.26	1.35	44,900	15.11	59.0	33.0	6,900	0.59	22.0	24.0	300	35.0	26.0	4,700
1956	24.0	21.0	1,000	1.77	39.0	19.0	3,500	0.88	2.17	0.96	42,900	21.18	55.0	31.0	7,300	0.63	27.0		800	32.0	20.0	6,000
1955	29.0	17.5	1,200	1.79	43.0	21.0	3,500	0.88	2.02	1.04	41,600	19.41	51.0	43.0	7,100	0.63				30.0	14.0	5,400
1954	32.0	18.0	1,300	1.96	40.0	16.0	4,100	1.15	2.09	0.86	40,200	20.19	45.0	18.0	7,000	0.72	29.0	21.0	400	29.0	15.0	5,100
1953	30.0		1,200	1.84	39.0	13.0	3,600	1.10	1.92	0.89	46,200	17.43	51.0	22.0	7,900	0.76				26.0	12.0	11,500
1952	29.0	17.0	2,000	1.91	43.0	22.0	3,900	1.27	1.78	0.76	46,400	26.39	51.0	40.0	7,900	0.91				29.0	11.0	15,200
1951	28.0	21.0	1,300	1.59	38.0	25.0	3,800	1.09	1.67	0.94	46,400	31.30	52.0	43.0	6,800	0.82				32.0	16.8	12,400
1950	27.0	17.0	400	1.83	43.0	27.0	5,600	0.97	1.70	0.93	41,000	24.10	53.0	34.0	7,400	0.66				32.0	17.0	7,900
1949	28.0	19.0	900	1.86	40.0	15.9	3,300	0.63				24.40	53.0	20.0	6,500	0.63				28.0	18.5	8,300
1948	28.0	13.0	2,400	1.88	35.0	29.0	4,000	0.97				24.05	62.0	28.0	6,100	0.70				26.0	12.5	8,900
1947		21.0		2.37	39.0	25.0	3,800	1.41				17.40				0.96					20.0	
1946				1.85	30.0	26.0	3,700	1.18				17.50				0.75						
1945	37.0	22.0	600	1.44	36.0	26.0	3,500	0.93				12.70	50.0	34.0	5,000	0.61				23.0	17.0	10,200

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
CARTER

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	43.0	35.0	300	2.69		34.0		2.00	2.30	1.00	8,000	49.50		43.0		1.45					24.0	
1986		22.4		2.52		24.6		1.60	1.42	1.17	9,500	54.00		28.0		1.35		29.0			15.9	
1985		21.8		3.45	50.0	22.0	100	2.02	1.20	0.50	5,100	84.50		21.0		1.50		10.0			14.9	
1984		30.1		3.52		32.8		2.39	1.80	1.06	4,100	78.00		35.0		1.77		19.0			17.7	
1983		33.0		3.67		25.7		2.40	2.51	1.16	4,300	63.00		34.0		1.55		25.0			19.0	
1982		33.0		3.65		28.4		2.08	2.33	1.78	4,200	52.50		41.3		1.50		20.0			21.0	
1981		19.0		3.68		21.6		2.32	2.00	1.19	5,500	48.50		26.0		1.89		14.0			15.0	
1980		15.7		4.22		18.5		2.83	2.03	0.71	6,000	62.50		32.0		1.96				50.0	8.9	100
1979		23.7		3.35		29.7		2.06	2.12	1.05	9,300	54.40		30.0		1.53		23.0			17.2	
1978		24.0		2.55		32.1		1.71	1.85	1.45	10,100	47.61		48.0		1.18		25.0			27.0	
1977		20.0		2.19	50.0	30.0	100	1.63	1.94	1.14	9,600	60.43	90.0	27.9	100	1.23		21.0		47.0	19.0	200
1976		26.0		2.31	45.0	36.3	100	2.02	1.49	1.14	9,500	51.12	63.0	43.0	100	1.49					21.0	
1975		21.1		3.37	40.0	17.5	900	2.12	2.96	1.25	7,100	45.55	54.0	29.5	100	1.59				40.0	17.0	100
1974		24.3		4.08	58.0	25.0	100	2.57	2.14	0.91	8,300	50.20	54.0	23.0	100	1.70		24.0			14.3	
1973		27.0		4.14		35.0		2.03	1.50	1.22	17,300	53.03		35.0		1.13		25.0			22.0	
1972		33.0		1.78	75.0	31.0	100	1.07	1.60	1.25	9,700	27.37	56.0	44.0	100	0.70		34.0			28.5	
1971		26.0		1.07		31.0		0.84	1.51	1.28	10,100	25.03		39.0		0.59					24.0	
1970		22.7		1.26		18.0		0.76	1.52	1.11	10,800	21.48		26.0		0.63		16.5			14.6	
1969		24.7		1.15	40.0	32.8	100	0.78	1.57	1.04	6,100	26.60	57.0	38.0	100	0.61		14.0		33.0	23.7	200
1968		25.7		1.11	39.0	28.0	200	0.81	1.47	0.94	6,000	24.50	55.0	36.0	100	0.63		11.2			19.3	
1967		29.5		1.28	44.0	27.0	600	0.90	1.54	1.09	7,000	20.47	61.0	28.0	100	0.66		10.0		20.0	16.0	200
1966		19.0		1.51	33.0	20.0	300	0.95	1.31	0.70	5,200	29.48		16.0		0.63		12.0			10.0	
1965		20.0		1.22	45.0	25.8	200	0.88	1.76	1.00	7,400	21.49		21.0		0.60		12.0			10.5	
1964		22.0		1.29	40.0	20.8	100	0.77	1.10	0.92	6,800	28.12		34.0		0.54		12.0			13.0	
1963		28.0		1.76	46.0	23.0	400	0.68	1.56	0.98	8,500	19.24		28.0		0.55		21.0			16.0	
1962		14.0		1.99	33.0	26.0	800	0.72	1.52	1.15	8,500	20.53	45.0	33.0	100	0.57					22.0	
1961		9.0		1.97		6.0		0.80	1.59	0.35	2,700	27.62		7.0		0.71					3.0	
1960		18.0		1.73		16.0		0.68	1.14	0.67	7,700	24.85	32.0	20.0	100	0.58		12.0			9.0	
1959		13.0		1.77		15.0		0.70	1.15	0.70	8,800	27.10	35.0	22.0	200	0.59		10.0			9.5	
1958		21.0		1.67		21.0		0.70	1.20	0.65	5,900	20.06	40.0	22.0	200	0.47		10.0			11.0	
1957		22.0		1.93		18.0		0.71	1.23	0.73	2,600	18.74		24.0		0.45		12.0			10.0	
1956	25.0	16.0	200	1.91	24.0	11.0	100	0.87	2.62	0.52	1,600	24.79	25.0	11.0	200	0.60		7.0			7.0	
1955		14.0		1.99		15.0		0.78	0.79	0.65	1,400	19.16		24.0		0.51					11.0	
1954		11.0		2.16		10.0		1.04	1.13	0.66	1,500	18.31		11.0		0.65					6.5	
1953		10.0		2.05	27.0	17.0	700	1.00	1.39	0.78	5,900	17.49	37.0	20.0	400	0.62					10.0	
1952		7.0		2.08	27.0	12.0	300	1.10	1.24	0.59	2,700	28.43	30.0	18.0	700	0.80				17.0	7.1	600
1951		17.0		1.39	37.0	13.0	200	0.90	1.08	0.72	2,300	31.20	35.0	17.0	200	0.70						
1950		19.0		1.47	26.0	17.0	100	0.93	1.11	0.64	3,200	24.90		27.0		0.67						
1949		8.0		1.86		8.0		0.63	1.80	0.56	1,600	23.02		9.0		0.61					5.5	
1948		19.0		1.88		21.0		0.97	1.10	0.64	3,800	12.51		23.0		0.55					12.0	
1947				2.37		21.0		1.41				17.40				0.96						
1946				1.85		19.0		1.18				17.50				0.75						
1945		19.2		1.44		17.0		0.93				12.70		23.0		0.61					7.0	

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
CASCADE

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987	53.0	35.0	600	2.69	75.0	31.0	5,900	2.00	2.30	1.00	18,000	49.50	63.0	44.0	300	1.45		37.0		58.0	24.0	5,000
1986		36.0		2.52	68.0	37.6	7,500	1.60	2.81	1.67	20,000	54.00	61.0	35.0	200	1.35		23.0		43.0	27.5	7,200
1985	31.0	14.1	500	3.45	52.0	11.6	7,000	2.02	2.29	0.47	18,400	84.50	60.0	18.0	200	1.50	19.0	12.0	400	42.5	9.5	6,200
1984	39.0	33.1	500	3.52	61.0	25.1	11,300	2.39	2.46	1.32	23,500	78.00	44.0	26.0	400	1.77		18.6		51.0	18.1	4,200
1983	60.0	42.0	300	3.67	71.0	47.8	9,500	2.40	2.86	1.57	23,100	63.00	81.0	40.0	300	1.55		31.0		58.0	32.9	3,000
1982	45.0	41.0	200	3.65	65.0	44.5	4,700	2.08	2.69	2.01	16,600	52.50	90.0	41.5	800	1.50		36.0		64.0	36.1	1,000
1981	55.0	41.2	400	3.68	58.0	47.0	7,300	2.32	3.17	1.87	15,000	48.50	62.0	43.0	300	1.89		33.0		42.0	33.4	2,500
1980	54.0	35.5	1,000	4.22	61.0	47.0	6,500	2.83	2.98	1.31	20,500	62.50	83.0	47.0	400	1.96		29.0		59.0	36.9	1,800
1979	40.0	29.7	600	3.67	58.0	35.5	8,100	2.05	2.98	1.32	25,600	54.79	44.0	36.5	900	1.00		20.0		48.0	21.0	3,300
1978	45.0	31.5	100	2.81	63.0	31.3	9,000	1.71	2.29	1.68	21,000	45.31	61.0	43.0	800	1.31		24.0		46.0	20.5	4,000
1977	50.0	34.5	800	2.37	47.5	39.0	9,300	1.64	2.92	1.48	17,300	55.84	70.0	35.5	800	1.40		21.0		40.0	20.0	5,500
1976	40.0	33.0	200	2.32	51.0	42.2	2,100	2.03	2.26	1.59	25,400	45.78	60.0	40.0	600	1.56	38.0	28.6	300	46.0	30.0	4,100
1975	51.0	42.0	100	3.30	46.5	39.0	1,500	2.19	2.28	1.74	32,300	40.43	49.3	43.3	800	1.57		26.8		39.0	25.0	200
1974	42.0	37.9	200	3.98	36.0	29.0	1,600	2.67	2.23	1.33	34,400	46.25	52.0	31.0	800	1.60		14.0		32.0	16.2	1,000
1973	37.0	22.0	500	4.35	42.0	21.0	1,900	2.28	2.31	1.17	34,300	58.26	55.0	16.0	400	1.25		17.0		36.0	15.0	900
1972	35.0	22.0	200	1.95	64.0	21.3	900	1.26	2.26	0.90	29,700	34.91	64.0	30.0	400	0.76		25.0		29.0	17.5	1,200
1971	42.0	28.5	800	1.20	37.0	32.6	1,200	0.84	2.75	1.23	18,200	29.09	48.0	23.0	200	0.57		21.0		32.0	21.8	1,100
1970	39.0	22.9	400	1.29	51.0	34.4	1,000	0.81	2.75	1.47	18,100	23.95	49.0	42.1	300	0.56		21.0		31.0	23.8	1,000
1969	33.0	24.9	600	1.17	47.6	45.3	1,700	0.72	2.11	1.32	20,400	26.03	62.0	42.0	400	0.53		23.0		31.0	25.4	700
1968	44.0	34.0	1,200	1.07	50.0	40.0	1,800	0.79	2.01	1.64	17,500	21.68	50.0	39.0	500	0.61		19.0		38.5	22.9	600
1967	40.0	32.5	300	1.29	35.0	29.0	1,100	0.84	2.46	1.53	16,800	22.09	47.0	22.0	900	0.62	34.0	14.0	100	30.0	16.5	700
1966	42.0	32.0	600	1.44	42.0	38.0	1,800	0.87	2.13	1.17	15,900	26.75	52.0	34.0	1,000	0.57	28.0	26.0	100	35.0	22.0	800
1965	49.0	35.5	900	1.22	49.0	43.6	1,500	0.88	2.22	1.52	15,500	21.68	46.0	31.0	1,000	0.52	36.0	33.5	100	33.0	27.0	1,300
1964	42.0	31.0	600	1.23	38.0	32.4	1,200	0.79	2.24	1.61	13,500	21.98	45.0	38.0	1,000	0.53	27.0	21.4	100	30.0	20.5	1,300
1963	42.0	26.0	800	1.79	40.0	27.0	1,300	0.75	2.56	1.26	19,600	18.32	48.0	32.0	3,400	0.53		20.0		36.0	18.0	1,200
1962	36.0	24.0	800	1.99	36.0	31.0	2,000	0.76	2.41	1.51	19,500	18.47	57.0	35.0	3,400	0.58	35.0	17.0	300	40.0	21.0	1,500
1961	24.0	22.0	800	1.79	30.0	17.0	2,200	0.82	2.52	0.77	16,100	24.44	37.0	20.0	2,500	0.64		25.0		26.0	11.0	1,000
1960	45.0	23.0	1,000	1.60	27.0	13.0	2,400	0.64	2.39	1.24	14,400	25.08	40.0	18.0	2,400	0.59		15.0		27.0	13.0	900
1959	40.0	27.0	1,100	1.59	33.0	27.0	2,600	0.64	1.98	1.21	17,400	21.47	50.0	25.0	1,600	0.56		9.0		37.0	28.0	1,400
1958	38.0	33.0	1,300	1.52	38.0	38.0	1,700	0.76	1.98	1.28	21,500	17.46	46.0	35.0	2,000	0.53		10.0		32.0	32.0	900
1957	30.0	25.0	800	1.80	40.0	29.0	800	0.69	2.13	1.17	19,600	17.49	39.0	25.0	2,600	0.49	25.0	17.0	700	30.0	18.0	1,100
1956	31.0	22.0	300	1.85	47.0	28.5	800	0.83	2.13	0.80	17,100	26.28	44.0	27.0	1,800	0.54	25.0	19.0	300	33.0	21.0	2,400
1955	40.0	31.0	600	1.80	36.0	32.5	1,400	0.78	1.88	1.34	17,300	19.99	40.0	34.0	2,000	0.53		22.0		24.0	22.0	800
1954	41.0	28.0	1,500	1.99	32.0	30.0	1,700	0.99	2.22	1.28	18,800	19.62	40.0	27.0	4,100	0.65				25.0	19.0	1,900
1953	32.0	20.0	800	1.92	34.0	18.0	1,700	1.08	1.99	1.02	15,400	18.95	32.0	23.0	2,800	0.70				23.0	16.0	2,500
1952	28.0	20.0	1,500	1.94	40.0	21.0	1,000	1.26	1.87	0.79	12,400	30.69	42.0	25.0	2,700	0.83				25.0	14.0	2,700
1951	32.0	27.0	500	1.91	38.0	34.0	1,900	1.11	1.71	0.95	15,300	33.50	49.0	35.0	2,100	0.80				30.0	23.0	4,200
1950	26.0	18.5	1,200	1.79	29.0	27.0	3,100	0.98	1.45	0.92	16,300	27.00	43.0	34.0	3,200	0.67				23.0	19.0	3,800
1949	40.0	21.0	700	1.86	32.0	20.9	2,300	2.13	1.78	0.75	14,400	28.71	42.0	26.0	2,900	0.65				31.0	17.0	2,700
1948	36.0	28.0	600	1.88	45.0	39.0	2,600	0.40	1.93	1.14	13,600	21.46	54.0	45.0	2,500	0.70				28.0	27.8	2,200
1947				2.37	30.0	23.0	2,800	1.41				17.40				0.96						
1946				1.85	35.0	26.0	2,900	1.18				17.50				0.75						
1945	22.0	23.7	500	1.44	28.0	22.7	3,400	0.93				12.70	40.0	22.0	3,700	0.61				17.0	8.0	3,000

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
CHOUTEAU

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987	48.0	34.0	800	2.69	83.0	34.0	1,000	2.00	2.50	1.10	15,500	49.50	95.0	52.0	200	1.45		27.0		59.0	27.0	3,800
1986		36.0		2.52	49.0	37.8	200	1.60	2.46	1.56	16,000	54.00	73.0	47.0	300	1.35		26.7		60.0	30.8	6,400
1985	25.0	15.6	900	3.45	61.0	11.7	200	2.02	1.91	0.52	8,500	84.50	45.0	25.0	800	1.50		13.7		53.0	10.1	4,000
1984	60.0	34.8	200	3.52	50.0	28.5	1,200	2.39	1.85	0.89	8,100	78.00	52.0	22.0	100	1.77		25.4		51.0	22.9	5,000
1983	54.0	42.5	200	3.67	60.0	47.5	1,000	2.40	2.80	1.14	7,500	63.00	76.0	45.0	200	1.55		34.0		60.0	41.0	5,000
1982	75.0	46.6	200	3.65	61.0	53.4	1,900	2.08	2.97	1.48	16,900	52.50	64.0	47.2	400	1.50		37.0		76.0	40.5	3,900
1981	53.0	39.7	100	3.68	65.0	44.0	400	2.32	2.05	1.44	20,000	48.50	60.0	48.0	100	1.89		32.0		62.0	31.8	2,800
1980	58.0	25.4	400	4.22	54.0	38.6	1,300	2.83	3.05	1.46	9,500	62.50	81.0	48.0	200	1.96	48.0	35.0	200	59.0	29.9	1,100
1979	45.0	26.8	700	3.71	64.0	36.5	2,600	2.22	2.81	1.42	9,000	51.19	71.0	36.2	400	1.37	40.0	26.5	100	50.0	23.7	900
1978		34.0		2.79	55.0	40.5	2,200	1.72	2.33	1.35	9,500	40.13	60.0	43.0	500	1.22		27.0		42.0	29.0	500
1977	60.0	33.0	300	2.37	50.0	37.5	2,900	1.71	2.25	1.24	13,300	60.96	55.0	40.0	400	1.33		22.0		53.0	24.5	2,500
1976		34.0		2.40	60.0	42.5	1,300	2.05	2.26	1.40	15,400	46.47	61.0	52.0	300	1.38		30.0		44.0	30.0	100
1975	45.0	41.4	100	3.36	40.0	33.5	1,000	2.16	2.48	1.89	13,200	38.20	52.2	45.3	1,200	1.36		24.4		39.0	29.7	100
1974	35.0	33.3	100	4.06	36.0	31.0	900	2.60	2.25	1.31	11,700	46.62	50.0	27.0	2,800	1.55		13.9		25.0	21.8	600
1973	34.0	27.5	100	4.37	40.0	30.0	3,000	2.25	1.80	1.01	22,900	59.41	41.0	29.0	500	1.17		20.0		38.0	21.0	700
1972	35.0	21.5	100	1.92	33.0	23.0	1,100	1.25	1.69	0.77	12,300	31.34	54.0	22.0	100	0.76		20.0		30.0	17.5	600
1971	35.0	34.0	100	1.21	37.0	31.0	2,000	0.85	2.17	0.97	8,600	29.17	56.0	41.0	100	0.53		20.0		31.0	24.0	300
1970	45.0	29.4	100	1.26	51.0	42.6	400	0.78	1.96	1.11	8,500	21.35	52.0	41.0	200	0.54		29.5		42.0	24.4	500
1969	37.0	27.5	200	1.16	47.7	43.3	1,200	0.71	1.87	1.09	6,900	22.08	53.0	51.1	200	0.52		28.5		29.0	24.2	300
1968	38.0	33.0	300	1.10	38.5	35.5	400	0.77	1.99	1.21	7,000	23.38	54.0	35.0	100	0.60		27.0		34.0	23.6	200
1967	38.0	33.0	400	1.31	46.0	31.0	800	0.84	1.75	1.26	8,700	24.75	50.0	26.0	100	0.61		16.0		37.0	19.0	100
1966	36.0	33.0	200	1.44	50.0	46.0	1,100	0.86	1.83	1.25	8,100	23.67	50.0	44.0	300	0.56		28.0		40.0	28.0	200
1965	65.0	35.5	300	1.29	68.5	41.1	700	0.86	1.89	1.48	8,000	22.57	40.0	38.0	100	0.51		27.0		24.0	21.5	200
1964	42.0	32.0	100	1.24	37.0	35.0	200	0.77	2.07	1.36	5,900	22.89	50.0	44.0	100	0.52		23.5		38.0	21.0	100
1963	29.0	23.0	100	1.80	34.0	26.0	500	0.72	1.84	1.02	7,400	18.74	38.0	30.0	400	0.52		14.0		28.0	13.0	300
1962		22.0		2.00	36.0	31.0	800	0.75	1.53	1.31	8,300	20.71	50.0	35.0	200	0.58		20.0		32.0	22.0	200
1961		22.0		1.79	35.0	17.0	200	0.82	2.06	0.60	3,600	24.91	40.0	23.0	200	0.64		11.0		28.0	12.0	100
1960		28.0		1.61	34.0	26.5	1,000	0.65	1.34	1.09	7,000	23.06	35.0	30.0	200	0.54		14.0		33.0	16.0	300
1959		28.5		1.59	40.0	34.0	1,200	0.64	1.81	1.11	7,000	21.99	42.0	33.0	100	0.54		24.0		32.0	18.5	400
1958		28.5		1.52	34.0	39.0	1,100	0.75	1.84	1.07	7,500	17.93	53.0	40.0	400	0.53		31.0		33.0	31.0	300
1957	24.0	22.5	1,400	1.83	36.0	26.5	600	0.69	1.29	1.10	9,600	17.48	35.0	34.0	100	0.52		15.5		35.0	15.0	400
1956	30.0	22.0	200	1.88	43.0	28.5	200	0.81	1.23	0.89	12,000	24.40	45.0	29.0	100	0.52		21.0		18.0	20.0	900
1955	36.0	33.0	400	1.82	49.0	32.5	100	0.75	2.29	1.09	7,300	20.06	44.0	39.0	200	0.52				33.0	24.5	300
1954	26.0	30.0	300	2.07	42.0	33.0	2,600	0.94	1.57	1.19	6,800	19.57	43.0	33.0	100	0.62		24.0		22.0	19.0	500
1953		20.0		1.98	43.0	28.0	700	1.03	1.89	1.08	6,000	19.26	40.0	28.0	100	1.00				24.0	18.0	1,600
1952	24.0	16.0	2,600	1.94	48.0	18.0	1,200	1.23	2.06	0.74	5,600	31.55	40.0	18.0	100	0.83				30.0	12.0	600
1951		26.0		1.93	48.0	29.0	1,900	1.08	1.53	0.9	5,600	31.40	59.0	37.0	400	0.74				30.0	20.0	600
1950		16.0		1.94	40.0	25.0	1,900	0.94	1.44	0.85	5,300	25.00	37.5	32.0	700	0.62				29.0	17.0	1,100
1949	25.0	16.5	200	1.86	30.0	18.6	1,300	0.72	1.99	0.74	4,500	28.02	40.0	24.0	200	0.61				20.0	10.6	400
1948	35.0	26.0	300	1.88	40.0	34.0	1,000	0.94	1.96	1.09	4,100	21.08	65.0	35.0	200	0.62				25.0	22.5	100
1947				2.37	28.0	20.0	1,000	1.41				17.40				0.96						
1946				1.85	25.0	22.0	700	1.18				17.50				0.75						
1945		21.2		1.44	29.5	23.0	200	0.93				12.70	40.0	29.0	200	0.61				20.0	9.5	700

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
CUSTER

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	40.0	34.0	300	2.69	61.0	38.0	1,500	2.00	2.70	1.00	18,000	49.50	93.0	42.0	400	1.45				50.0	22.0	600
1986	42.0	24.2	100	2.52	61.0	22.6	1,200	1.60	2.94	1.09	15,000	54.00	81.0	27.0	500	1.35				50.0	15.0	800
1985	52.0	16.9	300	3.45	79.0	21.3	1,400	2.02	2.74	0.56	14,800	84.50	79.0	20.0	400	1.50		12.0		52.0	10.9	2,200
1984	38.0	24.9	800	3.52	73.0	23.8	800	2.39	2.95	0.86	11,000	78.00	62.0	36.0	1,300	1.77		20.0		59.0	25.9	1,700
1983	46.0	30.0	300	3.67	60.0	19.9	500	2.40	2.96	1.33	14,500	63.00	80.0	42.0	1,100	1.55		20.0		62.0	18.0	500
1982	35.0	31.0	300	3.65	59.0	45.2	500	2.08	3.23	1.64	17,700	52.50	75.0	33.3	800	1.50		25.0		51.0	22.5	700
1981	46.0	29.9	500	3.68	59.0	21.9	600	2.32	3.22	1.12	9,000	48.50	72.0	28.0	700	1.89		16.0		48.0	17.9	500
1980	45.0	18.0	900	4.22	42.0	19.9	1,400	2.83	3.14	1.01	18,000	62.50	61.0	29.0	500	1.96		20.0		51.0	14.7	2,000
1979	41.0	23.0	500	3.34	63.0	25.3	2,100	2.06	3.48	0.91	17,400	54.17	75.0	25.0	400	1.53				58.0	15.0	1,000
1978	47.0	24.0	100	2.54	62.0	33.3	2,400	1.71	2.78	1.45	12,500	47.79	60.0	47.0	400	1.18				40.0	26.0	1,200
1977	38.0	22.0	300	2.17	63.8	16.2	2,100	1.63	3.05	1.15	11,300	60.52	87.5	28.2	400	1.23				49.0	16.0	1,200
1976	46.0	26.0	200	2.29	67.0	33.6	2,600	2.02	2.96	0.91	7,500	50.95	68.0	40.0	600	1.50		24.0		47.0	17.5	800
1975	50.0	29.4	100	3.38	60.5	33.0	3,300	2.13	2.80	0.98	7,200	45.63	68.9	25.6	1,500	1.59		29.0		53.0	12.1	1,000
1974	35.0	26.7	300	4.09	61.0	24.0	1,000	2.58	2.63	0.72	8,700	49.93	50.0	32.0	900	1.71				53.0	15.3	1,500
1973	55.0	29.0	100	4.11	51.0	34.0	1,400	2.03	3.01	1.41	11,100	53.12	68.0	42.0	1,800	1.13				44.0	25.0	1,000
1972	39.0	33.0	100	1.78	80.0	30.0	300	1.07	3.31	1.52	13,700	27.30	71.0	54.0	1,900	0.70				54.0	28.5	1,400
1971	45.0	24.0	200	1.14	35.0	24.0	300	0.84	3.28	1.20	11,600	24.91	61.0	30.0	1,000	0.59				55.0	24.5	800
1970	35.0	23.3	400	1.22	31.0	20.8	200	0.76	2.29	1.18	12,800	21.52	40.0	29.0	600	0.63		19.0		35.0	13.0	600
1969	50.0	27.9	700	1.13	49.5	31.5	200	0.79	2.13	1.00	19,300	26.49	62.0	44.0	1,600	0.61		20.5		43.0	18.0	600
1968	46.0	32.9	500	1.09	36.0	31.0	200	0.81	1.99	0.84	15,800	24.51	77.0	34.0	1,100	0.64				46.0	18.7	400
1967	41.0	29.0	500	1.25	70.0	32.0	400	0.90	2.02	0.97	15,700	20.61	80.0	27.0	1,800	0.67	39.0		100	38.0	19.0	700
1966	36.0	21.0	200	1.50	35.0	19.0	400	0.95	2.28	0.72	13,400	29.39	58.0	22.0	1,600	0.63				29.0	13.0	1,200
1965	28.0	18.0	200	1.21	35.0	26.1	400	0.91	1.89	0.85	15,800	21.09	53.0	22.9	1,500	0.61		12.5		20.0	10.0	1,900
1964		22.7		1.28	33.5	25.4	500	0.84	1.87	0.87	13,200	28.00	58.0	31.0	1,200	0.63	24.0	11.0	100	46.0	15.0	2,100
1963	37.0	29.0	300	1.78	48.0	25.0	300	0.71	2.33	0.92	13,600	18.60	65.0	34.0	1,300	0.54	34.0		100	38.0	18.0	1,600
1962	25.0	17.0	300	1.99	30.0	25.0	300	0.74	2.45	0.88	13,500	19.74	54.0	27.0	1,300	0.60	25.0		100	43.0	18.0	800
1961	35.0	7.0	200	2.00	25.0	11.0	200	0.84	2.52	0.32	11,800	26.52	60.0	10.0	1,200	0.69	29.0		100	37.0	7.0	1,300
1960	43.0	19.0	300	1.63	41.0	14.0	200	0.69	2.38	0.75	11,200	25.04	49.0	19.0	1,700	0.57	30.0	17.0	100	35.0	14.0	1,200
1959		18.0		1.76	43.0	18.0	200	0.72	1.95	0.66	12,800	25.99	48.0	25.0	1,600	0.58	37.0	7.0	300	34.0	11.0	900
1958	31.0	19.0	300	1.67	42.0	23.0	600	0.73	2.00	0.61	12,000	20.94	54.0	38.0	2,700	0.50		12.0		37.0	16.0	1,800
1957	24.0	26.5	300	1.85	30.0	21.0	1,500	0.74	1.95	0.81	11,900	18.75	51.0	28.0	1,900	0.48		21.0		27.0	19.0	600
1956	29.0	10.0	200	1.91	37.0	13.0	300	0.86	2.32	0.59	13,100	25.52	56.0	8.0	700	0.59	24.0	8.0	200	33.0	8.0	300
1955	23.0	21.0	400	1.98	39.0	24.0	700	0.76	1.90	0.88	17,200	19.29	49.0	20.0	3,400	0.56				25.0	13.0	800
1954	27.0	18.0	600	2.15	30.0	14.0	1,100	1.04	1.64	0.74	19,500	18.69	38.0	11.0	2,300	0.66	31.0	11.0	300	20.0	7.5	800
1953	27.0	14.0	300	2.02	29.0	20.0	1,100	1.02	1.73	0.85	15,200	17.25	40.0	29.0	3,200	0.66				20.0	11.0	1,200
1952	19.0	7.0	400	2.01	40.0	8.0	700	1.15	1.75	0.81	11,800	28.32	46.0	14.0	2,500	0.80				18.0	7.0	1,000
1951	16.0	15.0	100	1.88	39.0	19.0	800	0.95	1.52	0.58	6,300	31.20	51.0	20.0	3,200	0.74				19.0	8.5	1,900
1950	22.0	18.0	100	1.92	31.0	22.5	1,700	0.94	1.29	0.58	7,300	24.90	43.0	28.0	3,200	0.67				34.0	13.0	600
1949		10.0		1.86	24.0	13.9	2,000	1.08	1.12	0.56	7,000	28.90	51.0	9.0	3,100	0.60				24.0	5.7	1,400
1948	25.0	11.2	500	1.88	27.0	21.0	1,800	0.99	1.50	0.70	7,900	22.50	40.0	25.0	1,200	0.60				20.0	12.0	1,000
1947				2.37	32.0	19.0	1,800	1.41				17.40				0.96						
1946				1.85	30.0	13.0	1,400	1.18				17.50				0.75						
1945	24.0	15.8	200	1.44	24.0	15.0	700	0.93				12.70	31.0	25.0	2,400	0.61				18.0	12.0	600

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
DAWSON

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987		35.0		2.69	57.0	41.0	600	2.00	2.80	1.10	8,500	49.50	95.0	47.0	200	1.45		29.0		50.0	29.0	500
1986		22.2		2.52		33.6		1.60	1.93	1.05	7,200	54.00	68.0	37.0	100	1.35		23.0		43.0	26.6	100
1985	20.0	15.6	300	3.45	63.0	18.0	300	2.02	2.48	0.49	6,500	84.50	73.0	19.0	400	1.50		8.0		46.0	12.8	600
1984		22.1		3.52	52.0	26.0	400	2.39	2.39	0.76	6,400	78.00	69.0	29.0	200	1.77		19.0			18.9	
1983		25.5		3.67	73.0	28.7	300	2.40	1.86	0.99	6,900	63.00	77.0	31.1	300	1.55		19.0			25.5	
1982		32.5		3.65	65.0	40.6	200	2.08	2.65	1.23	7,800	52.50	50.0	40.7	600	1.50		19.0			29.0	
1981		28.0		3.68	57.0	23.8	600	2.32	2.14	0.88	14,000	48.50	57.0	37.0	300	1.89		19.2		41.0	22.9	300
1980		13.4		4.22	35.0	14.1	400	2.83	2.21	0.67	9,000	62.50	67.0	24.0	200	1.96	43.0	13.0	200	44.0	13.9	500
1979		19.9		3.42	62.0	26.3	300	1.88	2.52	1.22	9,400	55.95	43.0	23.3	600	1.26		21.0		50.0	18.8	700
1978		27.5		2.62	60.0	35.1	200	1.53	2.67	1.11	5,800	43.06	64.0	57.0	900	1.09		27.0		48.0	28.5	500
1977		22.0		2.28	50.0	21.8	200	1.57	2.45	1.18	6,000	62.19	35.0	25.1	400	1.16		14.0		51.0	19.0	1,900
1976		29.0		2.34	50.0	38.5	100	1.90	2.02	1.47	8,300	51.69	58.0	47.0	500	1.31		25.0		46.0	25.5	900
1975		28.4		3.43	38.0	35.5	400	2.05	2.09	1.26	6,500	46.15	73.9	44.3	800	1.35		27.5		30.0	23.2	200
1974		31.7		4.13	49.0	26.0	100	2.59	1.40	0.98	7,200	49.02	67.0	33.0	1,200	1.56		11.5		35.0	17.9	400
1973		37.0		4.18	79.0	50.0	100	2.06	1.95	1.14	7,700	49.77	72.0	44.0	700	1.08		27.0		39.0	33.0	600
1972		33.0		1.80	49.0	46.0	400	1.12	2.57	1.14	5,100	27.68	72.0	52.0	1,400	0.64		31.0		50.0	31.5	500
1971		27.0		1.12	63.0	36.0	200	0.80	3.00	0.86	3,200	30.37	70.0	40.0	1,000	0.52		22.5		35.0	20.5	100
1970		27.9		1.21	47.0	33.1	200	0.71	2.51	0.93	5,900	21.05	64.0	40.0	900	0.49		21.4		41.0	21.2	500
1969	34.0	29.4	100	1.14	44.7	39.4	300	0.67	1.85	1.05	5,900	24.75	63.0	53.0	1,200	0.50		28.5		30.0	23.1	300
1968	34.0	29.9	200	1.13	52.0	32.0	600	0.71	2.42	0.83	5,000	23.71	53.0	40.0	1,200	0.55		18.6		48.0	22.9	700
1967	36.0	30.0	200	1.27	53.0	32.0	400	0.81	2.90	0.78	5,200	23.25	65.0	33.0	300	0.56		22.0		44.0	20.0	500
1966	36.0	27.0	200	1.47	45.0	30.0	500	0.83	2.56	0.77	5,200	21.83	60.0	28.0	700	0.51		23.0		38.0	18.0	500
1965	57.0	16.0	300	1.24	48.0	32.0	300	0.80	2.65	0.95	5,500	19.79	53.0	25.6	800	0.54		13.0		24.0	13.0	600
1964	26.0	22.5	200	1.27	52.0	22.5	500	0.78	2.79	0.78	4,300	23.84	64.0	40.0	800	0.49	22.0	13.8	100	30.0	14.8	600
1963		27.0		1.73	54.0	31.0	400	0.66	2.42	0.92	5,200	14.64	52.0	32.0	300	0.47	30.0	22.0	200	27.0	22.0	400
1962		18.0		1.94	33.0	33.0	500	0.67	2.38	0.95	5,000	17.63	45.0	38.0	200	0.54		30.0		32.0	24.0	500
1961		10.0		1.91	40.0	8.0	800	0.79	2.42	0.40	3,800	22.11	72.0	12.0	600	0.52		4.0		29.0	5.0	700
1960	21.0	15.0	200	1.71	35.0	14.5	500	0.59	2.73	0.56	4,100	21.56	56.0	18.0	1,200	0.46	20.0	10.0	100	22.0	11.0	800
1959		10.0		1.76	37.0	10.0	700	0.62	2.66	0.53	3,800	25.84	47.0	14.0	700	0.50	27.0	8.5	100	35.0	7.5	900
1958	30.0	20.0	800	1.69	43.0	18.0	1,200	0.69	2.42	0.61	4,300	25.11	67.0	19.0	1,400	0.47	24.0	14.0	100	34.0	13.5	1,300
1957	40.0	23.0	700	1.95	38.0	23.0	1,500	0.71	2.16	0.69	5,700	21.03	49.0	26.0	2,000	0.44	17.0	15.0	200	32.5	17.0	1,000
1956	45.0	10.0	500	1.95	35.0	9.0	800	0.85	1.91	0.45	5,400	24.14	48.0	9.0	1,300	0.51		8.0		28.0	8.5	1,300
1955	22.0	21.0	700	2.00	34.0	20.0	1,800	0.72	2.14	0.75	4,900	19.65	43.0	26.0	1,600	0.44				30.0	16.0	1,500
1954		16.0		2.18	30.0	12.0	1,100	0.92	2.51	0.65	3,900	17.84	44.0	14.0	2,100	0.58		14.0		19.0	10.0	2,200
1953		15.0		1.99	29.0	22.0	1,300	0.95	2.15	0.73	5,000	16.08	45.0	31.0	2,000	0.61				20.0	17.0	2,100
1952		7.0		2.02	29.0	10.0	1,100	1.12	1.87	0.65	5,000	27.77	50.0	15.0	1,500	0.79				18.0	6.0	3,700
1951		8.0		2.19	32.0	18.0	1,400	0.91	1.99	0.56	4,300	30.20	53.0	24.0	1,800	0.70				25.0	12.0	3,100
1950		11.0		2.78	36.0	23.0	2,200	0.92	1.61	0.65	4,500	22.40	56.0	28.0	2,000	0.63				30.0	17.0	1,600
1949		4.0		1.86	24.0	7.4	1,900	1.01	1.65	0.56	5,100	28.50	30.0	10.0	1,300	0.56				17.9	6.0	2,900
1948		16.0		1.88	32.0	15.0	3,300	0.90	1.72	0.78	5,300	19.50	48.0	25.0	1,300	0.54				25.0	12.0	4,700
1947				2.37	33.0	19.0	3,600	1.41				17.40				0.96						
1946				1.85	34.0	10.0	3,500	1.18				17.50				0.75						
1945				1.44	38.1	20.8	2,900	0.93				12.70				0.61						

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
FERGUS

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987	58.0	41.0	500	2.69	60.0	48.0	900	2.00	2.00	1.30	21,000	49.50	70.0	63.0	200	1.45		30.0			30.0	
1986		32.9		2.52	52.0	30.5	300	1.60	2.19	1.51	19,900	54.00	66.0	39.0	200	1.35		23.0			26.5	
1985		16.4		3.45	52.0	15.1	1,200	2.02	1.76	0.53	15,200	84.50	73.0	22.0	200	1.50					9.8	
1984		29.5		3.52	46.0	24.1	1,200	2.39	2.05	0.97	21,900	78.00	44.0	31.0	200	1.77				53.0	13.5	300
1983		35.5		3.67	55.0	38.0	200	2.40	2.42	1.46	19,200	63.00	88.0	47.0	300	1.55					25.0	
1982	45.0	37.0	300	3.65	54.0	40.5	200	2.08	2.92	1.59	21,200	52.50	82.0	43.9	400	1.50		25.0		45.0	32.0	200
1981		34.8		3.68	59.0	39.0	200	2.32	2.18	1.62	17,000	48.50	65.0	36.0	300	1.89		19.0		52.0	22.8	600
1980		28.5		4.22		39.0		2.83	2.00	0.92	11,000	62.50		39.0		1.96		28.0		50.0	24.6	800
1979		28.9		3.68	54.0	33.7	200	2.06	2.15	1.42	12,300	54.86	60.0	31.6	100	1.45		23.0			27.4	
1978		31.0		2.80	63.0	36.0	400	1.71	2.43	1.65	19,300	45.31	62.0	48.0	100	1.31		28.0			21.0	
1977		33.0		2.35	44.0	37.1	500	1.64	2.46	1.49	15,600	55.82	70.0	35.0	300	1.41		21.0		45.0	22.5	500
1976		33.0		2.30	60.0	32.4	700	2.03	2.27	1.46	14,700	45.88	61.0	46.0	400	1.56		26.0			25.0	
1975		30.9		3.26	44.0	27.5	700	2.18	2.21	1.56	15,400	40.39	56.1	40.4	700	1.57		27.0			20.7	
1974		36.1		3.99	32.0	27.0	1,400	2.67	1.98	1.28	15,800	46.51	42.0	38.0	1,300	1.61		15.5			16.6	
1973	35.0	29.9	200	4.35	40.0	32.0	2,000	2.29	1.65	1.32	20,100	57.97	38.0	26.0	200	1.25		20.0		41.0	18.0	200
1972		25.5		1.95	40.0	29.9	300	0.91	1.51	1.07	15,400	34.98	54.0	34.0	400	0.76		28.0		33.0	20.0	100
1971		32.6		1.18	40.0	36.0	500	0.85	1.39	1.02	18,000	29.05	49.4	39.0	500	0.57		22.0		35.0	23.0	300
1970		24.0		1.26	41.0	25.9	300	0.81	1.94	1.33	14,100	23.93	41.0	32.0	300	0.56					18.6	
1969		24.0		1.17	44.7	42.4	600	0.72	1.65	1.02	14,600	26.08	47.0	43.0	100	0.53		11.5			22.6	
1968		33.0		1.07	38.0	35.0	400	0.79	1.75	1.26	10,900	21.71	48.0	38.0	200	0.61				28.0	19.1	100
1967	35.0	30.0	100	1.29	34.0	26.0	100	0.84	1.85	1.32	14,300	22.09	50.0	31.0	200	0.63		23.0			15.5	
1966		30.0		1.44	40.0	34.0	200	0.87	1.66	1.00	10,400	26.80	48.0	32.0	100	0.57		23.0		37.0	18.0	100
1965		27.0		1.16	48.0	35.5	200	0.86	1.88	1.28	8,900	22.73	44.0	30.0	100	0.60		23.0		25.0	23.5	100
1964	33.5	31.5	200	1.19	37.0	27.5	200	0.79	1.89	1.27	9,000	21.54	42.0	35.0	200	0.64		30.0		28.0	19.0	100
1963	40.0	31.0	100	1.78	38.0	33.0	200	0.72	1.74	1.07	8,600	18.06	55.0	28.0	100	0.54				29.0	19.0	100
1962	32.0	29.0	100	1.94	40.0	37.0	300	0.73	1.65	1.18	8,500	18.75	40.0	36.0	200	0.90	34.0	14.0	100	30.0	26.0	200
1961	25.0	24.0	100	1.79	24.0	19.0	300	0.83	1.64	0.65	6,600	26.32	42.0	18.0	100	0.63		11.0		22.0	8.0	200
1960	29.0	24.0	100	1.60	32.0	25.0	1,000	0.65	1.35	1.04	7,700	31.48	42.0	21.0	100	0.57		10.0		25.0	13.0	200
1959	38.0	28.0	100	1.60	36.0	28.0	1,300	0.64	1.65	1.08	11,300	22.51	50.0	28.0	300	0.54					18.0	
1958		27.0		1.54	31.0	36.0	600	0.75	1.54	0.99	10,000	20.00	40.0	37.0	500	0.54		14.0		27.0	22.5	100
1957		29.5		1.82	34.0	32.0	100	0.70	1.48	0.97	7,700	19.13	35.0	25.0	300	0.48		18.0			15.0	
1956		15.5		1.85	47.0	28.5	800	0.83	1.68	0.65	4,400	26.88	40.0	25.0	700	0.55		18.0		34.0	15.0	300
1955		25.0		1.82		24.0		0.77	2.12	0.98	4,300	19.95	35.0	27.0	100	0.52		20.0			16.0	
1954		27.0		2.02	42.0	27.0	200	0.96	1.74	0.98	14,700	19.32	43.0	26.0	100	0.64				18.0	16.5	300
1953		21.0		1.93	40.0	24.0	500	1.05	1.87	0.95	6,900	18.61	41.0	25.0	300	0.69				24.0	16.0	200
1952	24.0	17.0	500	1.95	27.0	22.0	1,000	1.21	1.53	0.76	11,800	31.59	45.0	25.0	800	0.82				26.0	13.0	600
1951	22.0	16.0	200	2.17	29.0	22.0	1,200	1.09	1.32	0.79	18,600	32.20	40.0	25.0	500	0.77				19.0	15.0	1,300
1950		20.0		1.89	35.0	27.0	700	0.96	1.57	0.92	13,000	25.70	54.0	33.6	800	0.65				21.0	18.5	800
1949		20.5		1.86	36.0	24.7	900	0.95	1.47	0.78	9,900	27.30	40.0	28.0	200	0.63				29.0	17.0	800
1948		22.5		1.88	44.0	36.0	1,300	0.95	1.48	1.07	10,800	21.00	45.0	41.0	200	0.65				23.0	20.0	700
1947				2.37	27.0	22.0	1,900	1.41				17.40				0.96						
1946				1.85	36.0	31.0	1,300	1.18				17.50				0.75						
1945	26.4	22.0	1,900	1.44	29.0	24.6	800	0.93				12.70	34.0	19.9	600	0.61				17.0	11.5	1,600

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
GALLATIN

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	67.0	53.0	1,900	2.69	88.0	58.0	16,500	2.00	3.00	1.50	42,500	49.50	98.0	71.0	1,200	1.45	60.0		100	77.0	38.0	7,500
1986	69.0	44.3	500	2.52	73.0	51.3	14,900	1.60	2.70	1.51	43,500	54.00	79.0	55.0	1,500	1.35				60.0	31.6	4,400
1985	63.0	21.1	2,000	3.45	63.0	24.3	15,400	2.02	2.27	1.20	47,500	84.50	53.0	22.0	1,400	1.50				54.0	12.7	8,200
1984	65.0	39.1	3,200	3.52	75.0	43.6	22,800	2.39	2.76	1.37	54,200	78.00	75.0	42.0	1,300	1.77				62.0	30.4	5,200
1983	62.0	41.4	3,000	3.67	71.0	55.2	20,300	2.40	3.04	1.53	42,000	63.00	78.0	55.1	900	1.55				61.0	45.0	6,000
1982	72.0	42.0	3,000	3.65	80.0	54.3	14,500	2.08	3.39	1.62	43,700	52.50	77.0	22.6	1,200	1.50				65.0	30.0	6,700
1981	62.0	33.7	5,000	3.68	64.0	47.6	15,200	2.32	3.43	1.44	57,500	48.50	73.0	39.0	800	1.89				65.0	31.1	10,000
1980	65.0	40.6	4,200	4.22	64.0	50.8	20,000	2.83	3.18	1.65	61,100	62.50	84.0	41.0	800	1.96				64.0	45.0	4,400
1979	55.0	35.9	5,000	3.67	66.0	34.9	22,200	2.11	3.22	1.60	52,900	54.92	77.0	37.0	1,200	1.53	50.0		200	51.0	16.8	5,900
1978	60.0	38.5	4,300	2.89	63.0	51.4	25,000	1.84	2.84	1.79	47,600	44.62	63.0	46.0	800	1.48	38.0		100	60.0	38.0	6,400
1977	69.0	37.5	4,600	2.39	67.5	53.0	23,300	1.70	2.71	1.50	50,900	48.28	68.3	63.0	1,200	1.40				53.0	36.0	4,200
1976	64.0	42.0	5,000	2.44	64.0	45.2	21,700	2.04	2.77	1.02	47,700	44.77	69.0	64.0	1,600	1.49		38.0		53.0	26.5	5,100
1975	65.0	37.6	5,800	3.38	65.0	51.5	20,800	2.13	3.10	1.88	62,300	40.25	80.8	54.1	800	1.55				58.0	20.9	800
1974	59.0	32.4	5,800	4.15	58.0	31.0	19,000	2.54	2.41	1.78	68,800	40.37	64.0	33.0	1,300	1.75		18.8		41.0	24.2	3,000
1973	54.0	31.0	4,900	4.31	59.0	39.0	14,800	2.26	2.78	1.88	64,300	59.35	70.0	40.0	900	1.33		22.0		47.0	18.0	1,400
1972	57.0	33.0	7,600	1.93	59.0	45.0	15,600	1.22	2.94	1.58	58,800	34.51	72.0	45.0	2,000	0.86		31.0		49.0	35.5	2,200
1971	59.5	33.9	5,900	1.17	58.0	43.0	13,900	1.00	2.66	1.47	54,500	24.94	64.9	45.0	1,700	0.64		21.0		36.0	27.0	2,200
1970	56.0	36.9	5,500	1.27	52.0	42.0	13,600	1.00	2.57	1.55	49,200	21.85	61.8	46.4	2,200	0.64		20.0		40.0	24.4	2,000
1969	55.0	40.9	7,500	1.21	55.6	51.6	12,000	0.80	2.59	1.53	45,300	22.39	64.0	45.0	3,600	0.60		20.0		45.0	34.0	1,400
1968	50.0	37.0	6,600	1.14	56.5	50.0	13,500	0.84	2.63	1.51	49,300	19.96	65.0	48.0	3,800	0.70		20.0		44.5	28.6	1,800
1967	50.0	38.0	7,300	1.37	57.0	42.0	11,100	0.90	2.60	1.68	45,300	21.94	55.0	39.0	2,900	0.73		8.0		47.5	26.5	2,800
1966	52.0	30.0	6,700	1.54	54.0	36.0	10,900	1.00	2.39	1.20	41,200	26.89	56.0	39.0	2,700	0.67	36.0	28.0	100	36.0	20.0	2,600
1965	56.0	32.3	7,700	1.24	53.5	39.6	10,100	0.96	2.38	1.59	40,100	22.33	54.0	39.5	2,600	0.62	34.0	25.0	100	44.0	25.0	3,300
1964	46.0	31.7	6,800	1.30	49.0	34.9	9,300	0.98	2.53	1.86	37,300	21.24	58.0	39.0	3,400	0.62	25.0		100	40.0	23.2	3,000
1963	42.0	29.0	8,900	1.88	52.0	40.0	10,400	0.83	2.39	1.45	47,600	16.66	60.0	44.0	4,300	0.56	34.0	21.0	100	35.0	26.0	2,800
1962	45.0	35.0	8,400	2.00	55.0	38.0	12,200	0.83	2.32	1.78	47,300	17.11	58.0	48.0	4,000	0.60	35.0	26.0	200	43.0	30.0	2,700
1961	45.0	23.0	8,800	1.84	34.0	22.0	11,100	0.96	2.60	1.33	41,000	25.02	57.0	29.0	4,400	0.65	38.0	28.0	200	27.0	13.0	2,600
1960	44.0	25.0	8,900	1.66	39.0	25.0	11,100	0.80	2.47	1.65	37,300	24.53	51.0	29.0	4,900	0.61	30.0		400	38.0	15.0	3,100
1959	47.0	27.0	8,600	1.57	42.0	32.0	13,800	0.79	2.44	1.49	41,900	21.03	51.0	35.0	5,400	0.62		20.0		36.0	20.0	2,900
1958	47.0	30.0	8,800	1.48	50.0	39.0	12,000	0.76	2.40	1.41	49,600	14.01	55.0	45.0	6,300	0.53	40.0		200	41.0	28.0	2,700
1957	43.0	24.0	6,700	1.81	45.0	34.5	11,400	0.79	2.53	1.38	46,300	14.59	56.0	38.0	6,700	0.53	30.0	19.0	1,200	34.0	26.0	2,800
1956	41.0	21.0	8,000	1.84	43.0	25.0	8,800	0.88	2.27	1.36	42,800	23.04	54.0	32.0	6,000	0.58	36.0	18.0	400	30.0	19.0	2,500
1955	41.0	24.0	6,400	1.79	38.0	28.0	8,900	0.81	2.47	1.19	36,900	21.50	50.0	38.0	4,800	0.57				30.0	19.0	2,600
1954	44.0	23.0	8,500	1.98	39.0	32.0	10,400	1.00	2.27	1.07	40,300	20.97	50.0	32.0	6,400	0.69	25.0	17.0	400	36.0	16.0	4,400
1953	35.5	23.0	8,100	1.88	38.0	26.0	10,000	1.08	1.99	1.17	36,400	19.10	49.0	28.0	4,600	0.73				27.0	18.0	11,000
1952	38.0	25.0	8,100	1.91	47.2	36.0	11,200	1.26	1.91	1.09	37,200	29.02	55.0	43.0	5,500	0.86				36.0	23.0	7,500
1951	36.0	20.0	10,600	2.41	38.0	26.0	9,600	1.14	1.87	1.02	36,500	35.90	45.0	30.0	5,500	0.83				33.0	18.0	14,400
1950	46.0	27.0	10,300	2.07	41.0	35.0	10,700	0.97	2.07	1.14	41,400	24.70	53.5	45.0	7,600	0.68				33.0	25.5	6,400
1949	38.0	24.5	10,100	1.86	43.0	28.3	11,400	1.01	2.11	1.18	40,100	25.00	51.0	40.0	7,000	0.65				33.0	21.5	12,200
1948	40.6	23.0	9,500	1.88	46.0	37.0	7,900	0.96	1.94	1.24	44,200	21.50	54.0	45.0	6,600	0.72				36.0	29.1	7,200
1947				2.37	43.0	33.0	8,200	1.41				17.40				0.96						
1946				1.85	48.0	26.0	7,500	1.18				17.50				0.75						
1945				1.44	42.3	27.6	7,300	0.93				12.70				0.61						

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
JEFFERSON

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987		49.0		2.69	72.0	44.0	2,500	2.00	2.80	1.30	20,700	49.50	79.0	70.0	900	1.45					38.0	
1986		30.7		2.52	74.0	33.6	1,500	1.60	2.70	1.80	18,500	54.00	91.0	35.0	500	1.35				63.0	27.0	500
1985		20.4		3.45	62.0	18.7	1,000	2.02	1.66	0.58	26,800	84.50	47.0	18.0	300	1.50				37.0	14.1	300
1984		29.7		3.52	67.0	34.0	900	2.39	2.18	1.18	28,700	78.00	56.0	29.0	600	1.77				56.0	33.0	200
1983		36.0		3.67	68.0	36.8	1,400	2.40	2.27	0.96	24,800	63.00	79.0		700	1.55				50.0	30.0	200
1982		34.0		3.65	60.0	37.0	2,000	2.08	2.23	1.41	30,700	52.50	62.0	44.0	500	1.50				45.0	28.0	100
1981		31.0		3.68	59.0	49.0	1,200	2.32	2.10	1.00	25,500	48.50	72.0	39.0	500	1.89				56.0	25.0	300
1980		34.0		4.22	49.0	31.9	700	2.83	1.71	1.24	24,600	62.50	76.0	41.0	400	1.96					32.0	
1979		23.0		3.65	63.0	27.0	1,000	2.11	1.86	1.17	21,400	54.90	50.0	27.5	1,000	1.53					14.0	
1978		26.0		2.87	58.0	28.0	1,200	1.82	1.94	1.04	22,000	44.44	67.0	43.0	1,000	1.48					40.0	
1977	50.0	29.0	100	2.35	50.0	35.9	600	1.70	1.82	1.33	21,000	48.15	75.7	60.0	700	1.40					36.0	
1976	51.0	25.5	100	2.40	54.0	38.0	900	2.04	1.75	1.04	16,500	44.77	66.0	52.0	1,100	1.49					31.0	
1975	55.0	23.1	100	3.37	36.0	31.5	1,300	2.13	1.73	1.25	27,800	40.18	59.0	38.3	100	1.55					23.3	
1974	45.0	11.3	200	4.09	45.0	16.0	1,800	2.54	1.92	1.14	24,300	40.31	60.0	12.0	200	1.75				32.0	13.7	100
1973	38.0	20.0	100	4.31	43.0	23.0	700	2.26	1.66	1.16	24,000	59.34	49.0	23.0	600	1.33				35.0	14.0	100
1972	40.0	22.0	100	1.93	50.0	33.0	1,400	1.00	1.73	1.09	20,300	34.48	54.0	33.0	800	0.86				38.0	28.0	200
1971	55.0	21.0	200	1.17	40.0	32.5	1,000	0.91	1.99	1.10	16,300	24.88		30.0		0.64				38.0	18.0	100
1970	30.0	15.8	100	1.33	58.0	27.5	1,000	0.85	1.80	1.35	17,600	21.83	48.0	31.0	300	0.65				30.0	17.0	400
1969	45.0	26.0	100	1.22	43.7	32.3	1,000	0.80	1.81	1.16	20,500	22.38	55.0	45.0	500	0.61				37.0	26.0	300
1968	54.0	23.0	200	1.15	48.5	29.0	1,000	0.84	1.90	1.19	23,000	20.03	63.0	42.0	500	0.70	35.0	20.0	100	38.0	23.0	200
1967	54.0	25.0	200	1.38	50.0	28.0	400	0.90	2.03	1.14	22,000	21.96	57.0	42.0	400	0.73		12.0		38.0	22.0	200
1966	40.0	23.0	200	1.53	60.0	20.0	600	0.96	1.72	1.10	21,200	26.84	58.0	27.0	300	0.67				31.0	19.0	200
1965	44.0	23.4	200	1.22	46.0	33.0	700	0.96	1.71	1.13	21,600	22.28	58.0	29.0	400	0.62				40.0	23.0	200
1964	44.0	24.0	300	1.25	38.0	25.5	700	0.86	1.78	1.26	17,900	20.84	49.0	41.0	400	0.62		18.0		38.5	19.5	200
1963	40.0	29.0	100	2.07	43.0	32.0	500	0.83	1.81	1.06	19,400	17.39	48.0	40.0	1,100	0.58	25.0	19.0	100	36.0	22.0	200
1962	35.0	19.0	100	2.13	40.0	38.0	900	0.83	2.11	1.15	18,900	19.32	46.0	27.0	1,000	0.60	32.0	28.0	300	41.0	26.0	300
1961	40.0	17.0	100	1.88	40.0	18.0	200	0.92	1.63	0.78	17,700	25.97	45.0	22.0	800	0.63				16.0	12.0	100
1960	32.0	19.0	100	1.68	40.0	15.0	600	0.75	1.80	1.05	17,300	24.99	45.0	28.0	500	0.59					15.0	
1959		23.0		1.61	41.0	24.0	400	0.75	1.65	0.99	19,600	22.03	38.0	20.0	900	0.60				22.0	14.0	400
1958		25.0		1.49	36.0	34.0	300	0.77	1.94	1.22	16,300	14.47	61.0	46.0	500	0.54				35.0	25.0	400
1957		19.0		1.81	39.0	32.0	200	0.76	1.66	1.20	20,400	15.54	48.0	29.0	300	0.50				32.0	12.0	500
1956		19.0		1.84	50.0	20.0	100	0.87	1.54	0.86	16,300	23.42	40.0	28.0	200	0.56				30.0	17.0	100
1955		13.0		1.78	32.0	18.0	100	1.00	1.48	1.06	19,600	21.57	39.0	32.0	200	0.56				30.0	14.0	400
1954		9.0		1.96	31.0	10.0	900	1.04	1.37	0.84	21,100	21.14	37.0		900	0.67				24.0	10.5	1,100
1953		14.0		1.65	39.0	10.0	1,200	1.09	1.64	0.91	27,500	19.64	49.0	35.0	2,000	0.71				30.0	16.0	4,000
1952		21.0		2.18	50.0	19.0	1,900	1.24	1.40	0.85	21,200	29.35	56.0	29.0	2,200	0.84				28.0	15.0	3,900
1951	28.0	17.0	200	1.35	46.0	27.0	1,800	1.13	1.59	0.94	14,200	37.40	55.0	34.0	1,800	0.81				26.0	16.0	2,700
1950	42.0	25.0	200	1.16	37.0	17.0	2,000	0.96	1.49	1.02	20,700	25.20	61.0	40.0	1,500	0.69				26.0	17.0	2,300
1949		23.0		1.86	34.0	23.7	1,400	0.78	1.26	0.77	13,200	25.47	39.0	28.0	1,000	0.66				27.0	16.0	2,500
1948		18.0		1.88	34.0	20.0	1,700	0.99	1.33	0.96	12,900	21.08	45.0	23.0	800	0.72				30.0	30.0	3,000
1947				2.37	39.0	26.0	1,500	1.41				17.40				0.96						
1946				1.85	34.0	34.0	2,000	1.18				17.50				0.75						
1945		23.3		1.44	44.0	31.0	1,200	0.93				12.70	33.0	28.0	1,200	0.61				20.0	12.0	700

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
JUDITH BASIN

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		42.0		2.69	48.0	47.0	2,000	2.00	2.30	1.30	11,500	49.50	70.0	54.0	100	1.45					31.0	
1986	51.0	34.3	100	2.52	50.0	34.4	1,200	1.60	2.26	1.52	12,100	54.00	70.0	39.0	500	1.35					27.2	
1985		14.9		3.45	51.0	13.4	500	2.02	1.65	0.43	7,900	84.50		18.0		1.50					10.7	
1984		29.1		3.52	43.0	27.9	2,400	2.39	2.26	0.95	9,300	78.00	44.0	31.0	100	1.77				57.0	17.3	100
1983		31.0		3.67	62.0	39.8	500	2.40	2.75	1.30	8,300	63.00	89.0	45.0	100	1.55					25.5	
1982		34.0		3.65	63.0	38.4	600	2.08	2.64	1.71	5,900	52.50	81.0	44.7	200	1.50		30.0			23.0	
1981		34.9		3.68	56.0	37.1	200	2.32	2.00	1.50	5,000	48.50	62.0	38.0	200	1.89		18.0		49.0	23.2	100
1980	44.0	31.5	100	4.22	57.0	41.9	400	2.83	2.44	1.24	8,000	62.50	58.0	46.0	300	1.96		25.5		45.0	30.9	100
1979	43.0	31.1	300	3.68	52.0	35.5	1,300	2.05	2.05	1.34	8,000	54.92	60.0	34.7	100	1.45		22.0		35.0	24.8	200
1978		32.0		2.80	59.0	37.3	1,400	1.71	1.68	1.52	12,900	45.25	62.0	49.0	100	1.31		29.0			22.0	
1977		33.5		2.37	47.9	39.1	1,400	1.74	2.24	1.34	8,900	55.86	70.0	43.0	100	1.40		21.0			22.0	
1976		32.0		2.32	62.0	35.5	2,200	2.03	2.43	1.43	9,600	45.78	60.0	44.0	100	1.55		29.0			27.5	
1975		27.3		3.30	66.5	24.0	800	2.19	2.17	1.67	9,800	40.41		42.3		1.57		22.2			21.0	
1974		30.2		4.08	33.0	27.0	100	2.67	1.63	1.34	19,600	46.32		25.0		1.60	30.0	16.9	100		14.0	
1973		26.3		4.35	41.0	29.0	100	2.29	1.73	1.05	9,200	58.08	49.0	28.0	100	1.25		18.0		35.0	16.0	200
1972		28.5		1.95	45.0	35.5	300	1.26	2.02	1.10	5,700	34.89		36.0		0.76		29.0		30.0	24.5	200
1971		30.0		1.19	45.0	35.0	600	0.85	1.41	1.19	8,300	28.93		37.5		0.57		21.0		40.0	18.0	300
1970		22.9		1.27	35.0	26.0	100	0.80	1.56	1.41	8,200	24.04	48.0	35.0	100	0.56					20.0	
1969	25.0	19.0	100	1.17	42.0	40.3	100	0.73	1.57	1.13	10,400	26.03	47.0	45.0	100	0.53				26.0	20.7	100
1968	38.0	34.9	200	1.07	42.0	37.0	100	0.79	1.69	1.39	8,700	21.74	48.0	38.0	100	0.61				30.0	22.9	200
1967		29.5		1.29		29.0		0.84	1.63	1.35	8,400	22.12	45.0	25.0	200	0.62					18.0	
1966	59.0	28.0	100	1.44	44.0	36.0	100	0.87	1.56	1.04	7,100	26.83	42.0	35.0	200	0.57					24.0	
1965		24.0		1.18	45.0	37.0	100	0.87	1.92	1.35	6,200	21.84	42.0	31.5	200	0.53		20.0			20.0	
1964		32.0		1.19	60.0	28.4	100	0.79	1.90	1.27	5,900	21.84	43.0	35.0	200	0.52					18.0	
1963	42.0	29.0	200	1.78	40.0	35.0	400	0.74	1.51	1.16	8,300	17.68	60.0	36.0	200	0.52		25.0			21.0	
1962	25.0	22.0	200	1.95	34.0	31.0	200	0.74	1.39	1.21	7,500	17.85	36.0	31.0	300	0.59		13.0			22.0	
1961		24.0		1.78		16.0		0.83	1.50	0.59	4,400	24.54	35.0	20.0	300	0.63					11.0	
1960		22.0		1.60	30.0	21.5	300	0.65	1.18	0.99	5,500	24.60	36.0	22.0	100	0.58					16.0	
1959	32.0	27.0	100	1.59	33.0	30.0	200	0.64	1.35	1.12	5,700	21.56	46.0	27.0	100	0.55					19.0	
1958	50.0	28.0	100	1.53	31.0	38.0	700	0.76	1.03	0.99	11,000	18.96	50.0	42.0	400	0.52					26.0	
1957		28.0		1.80	30.0	27.5	300	0.69	1.41	0.84	6,900	18.31	32.0	29.0	500	0.49		14.0			19.0	
1956	20.0	12.0	200	1.84	40.0	18.0	100	0.84	1.05	0.53	4,400	26.64	30.0	20.0	300	0.55		12.0		24.0	14.0	100
1955		22.0		1.81		22.0		0.80	1.49	0.92	4,900	20.06		25.0		0.53				21.0	15.0	200
1954		22.0		2.00		21.0		0.97	1.61	0.88	8,700	19.52	48.0	24.0	100	0.65		12.0			14.0	
1953		17.0		1.93	41.0	18.0	300	1.12	1.49	0.89	9,400	18.96	34.0	23.0	300	0.70				20.0	13.0	200
1952		18.0		1.94	30.0	19.0	300	1.25	1.63	0.76	10,200	31.74	43.0	22.0	700	0.83				20.0	12.0	600
1951		15.0		1.91	24.0	20.0	300	1.10	0.93	0.72	15,600	31.80	40.0	25.0	200	0.78				20.0	14.0	1,600
1950		20.0		1.86	33.0	26.0	300	0.97	1.27	0.85	7,300	25.30	43.0	37.0	100	0.66				23.0	17.0	200
1949		18.0		1.86	35.0	25.3	400	1.15	0.92	0.70	5,600	26.79	41.0	20.0	100	0.64				26.0	16.4	200
1948		21.0		1.88	40.0	31.0	500	0.96	1.34	1.07	6,800	20.05	65.0	35.0	200	0.67				22.0	20.0	200
1947				2.37	28.0	23.0	500	1.41				17.40				0.96						
1946				1.85	20.0	26.0	600	1.18				17.50				0.75						
1945	23.0	21.2	200	1.44	29.0	20.0	200	0.93				12.70	38.0	15.0	400	0.61				18.0	12.4	300

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
LEWIS & CLARK

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		34.0		2.69	72.0	40.0	3,200	2.00	2.80	1.40	26,000	49.50	69.0	50.0	800	1.45				61.0	27.0	1,300
1986		36.1		2.52	58.0	34.5	6,300	1.60	2.85	1.40	29,500	54.00	77.0	30.0	1,200	1.35				48.0	30.6	3,500
1985	25.0	17.5	200	3.45	50.0	9.7	5,000	2.02	2.15	0.67	30,800	84.50	59.0	13.0	600	1.50				38.0	8.7	900
1984	46.0	28.4	200	3.52	58.0	28.0	5,000	2.39	2.38	1.13	30,900	78.00	58.0		1,400	1.77				60.0	16.5	800
1983	60.0	25.0	100	3.67	64.0	36.1	5,300	2.40	2.94	1.00	23,800	63.00	88.0	34.0	900	1.55				64.0	28.0	500
1982		38.0		3.65	67.0	35.8	5,000	2.08	2.76	1.13	32,100	52.50	68.0	48.0	900	1.50	50	36	300	50.0	21.0	1,500
1981	54.0	38.0	100	3.68	51.0	37.4	4,000	2.32	2.95	1.33	34,500	48.50	70.0	41.0	700	1.89				49.0	19.7	1,000
1980	50.0	28.6	500	4.22	58.0	40.0	5,000	2.83	2.57	1.42	39,000	62.50	59.0	34.0	700	1.96				50.0	34.4	3,400
1979		26.0		3.68	60.0	29.6	6,600	2.06	2.44	0.99	38,500	54.83	50.0	35.0	1,600	1.45						
1978	45.0	29.0	100	2.81	63.0	30.3	8,000	1.70	2.41	1.44	30,000	45.45	64.0	44.0	1,600	1.31						
1977	38.0	23.5	100	2.38	53.0	30.0	8,800	1.64	2.48	1.42	24,800	56.01	65.4	30.0	1,300	1.40				40.0	20.0	200
1976	35.0	28.0	100	2.40	56.0	38.3	5,700	2.05	2.67	1.23	29,600	45.78	51.0	36.5	1,600	1.56				42.0	36.5	2,200
1975	30.0	23.7	500	3.50	55.5	24.0	5,200	2.18	2.21	1.80	29,400	40.34	72.8	39.5	2,700	6.23				38.0	32.3	300
1974		21.3		4.13	42.0	15.0	3,200	2.67	2.37	1.21	35,500	46.30	69.0		900	1.61				38.0	6.0	500
1973		23.9		4.34	48.0	15.0	1,300	2.28	2.29	0.89	38,600	58.18	56.0	14.0	1,800	1.25				46.0	9.0	100
1972		26.5		1.96	47.0	23.5	1,000	1.26	2.24	1.11	29,800	34.98	54.0	34.0	400	0.76				32.0	20.0	600
1971		33.0		1.20	39.0	35.0	800	0.97	1.95	1.01	26,300	29.00	53.0	25.0	800	0.57				30.0	16.0	300
1970	30.0	16.9	200	1.30	35.0	23.1	800	0.80	2.04	1.17	26,900	23.96	40.0	25.0	1,500	0.56				30.0	15.0	500
1969	38.0	26.0	200	1.20	44.7	34.5	1,100	0.73	2.02	1.13	36,200	25.99	57.0	45.0	400	0.53		22		34.0	18.2	600
1968	44.0	25.0	300	1.12	42.0	27.0	500	0.79	1.96	1.26	33,900	21.70	48.0	34.0	700	0.61		20		36.5	18.5	300
1967	44.0	24.0	300	1.35	36.0	24.0	1,400	0.84	2.04	1.28	36,300	22.04	47.0	22.0	1,600	0.63				38.0	14.0	500
1966	36.0	24.0	400	1.47	40.0	24.0	2,100	0.87	1.97	1.06	31,200	26.83	51.0	31.0	1,200	0.57	37	26	100	33.0	17.0	500
1965	39.0	31.7	400	1.23	43.0	38.0	2,200	0.89	2.21	1.12	31,900	22.66	50.0	31.2	1,200	0.53		21		26.0	19.0	500
1964	36.0	27.6	500	1.24	41.0	26.1	1,900	0.79	2.00	1.30	29,000	22.88	52.0	33.0	1,700	0.53	14		100	31.0	17.1	700
1963	40.0	23.0	200	1.81	38.0	31.0	2,200	0.77	1.86	0.98	30,800	18.06	51.0	34.0	1,800	0.53	26	21	100	28.0	21.0	900
1962	30.0	21.0	200	1.99	36.0	30.0	2,600	0.78	1.91	1.38	29,000	18.06	45.0	34.0	1,500	0.57	24		200	27.0	24.0	400
1961	25.0	21.0	100	1.87	30.0	12.0	1,700	0.88	1.86	0.97	27,800	24.48	40.0	22.0	1,200	0.67	26	8	200	22.0	8.0	500
1960	30.0	21.0	200	1.64	28.0	15.7	1,200	0.70	1.61	1.07	28,100	24.49	45.0	22.0	900	0.61				19.0	14.0	700
1959	30.0	22.0	300	1.63	35.0	18.0	1,900	0.70	1.75	1.05	29,000	21.52	42.0	21.0	1,900	0.58				18.0	16.0	900
1958	30.0	31.0	400	1.60	34.0	30.0	1,500	0.77	1.77	1.10	28,200	16.99	45.0	40.0	2,600	0.54	38		100	26.0	23.0	1,100
1957	35.0	20.0	400	1.84	35.0	31.0	600	0.73	1.65	0.99	27,200	17.35	43.0	16.0	1,700	0.51		13		34.0	24.0	400
1956	22.0	23.0	400	1.85	32.0	22.0	800	0.85	1.67	0.76	26,600	25.31	39.0	20.0	1,800	0.57	30	22	600	25.0	18.0	900
1955	28.0	21.0	500	1.82	27.0	23.0	1,400	0.80	1.63	1.04	34,200	19.98	44.0	31.0	2,000	0.55				34.0	17.0	1,600
1954	28.0	20.0	900	2.06	33.0	24.0	1,900	1.01	1.66	0.81	27,800	19.73	39.0	16.0	2,400	0.67		19		27.0	21.0	2,300
1953	35.0	14.0	400	1.85	30.0	17.0	1,700	1.09	1.54	0.95	26,500	19.55	45.0	22.0	3,200	0.72				24.0	12.0	3,600
1952	30.0	20.0	500	1.92	39.0	23.0	1,100	1.26	1.50	0.60	23,800	29.32	40.0	25.0	1,800	0.83				22.0	18.0	2,300
1951	24.0	21.0	400	1.93	38.0	27.0	700	1.12	1.45	0.83	19,700	31.90	36.0	37.0	1,500	0.80				31.0	16.0	2,400
1950	42.0	25.0	200	0.96	32.0	28.0	1,000	0.98	1.34	0.82	27,900	25.40	30.0	30.0	2,100	0.68				21.0	19.0	2,100
1949	29.0	20.0	100	1.86	27.0	18.8	400	0.58	1.51	0.81	32,100	26.94	38.0	20.0	1,500	0.66						
1948	41.0	20.0	100	1.88	36.0	30.0	1,700	1.00	1.53	1.14	42,700	22.07	43.0	33.0	2,000	0.71				32.0	18.0	2,000
1947				2.37	31.0	23.0	1,500	1.41				17.40				0.96						
1946				1.85	27.0	18.0	2,300	1.18				17.50				0.75						
1945	29.5	26.0	200	1.44	30.8	21.0	1,500	0.93				12.70	33.0	19.0	900	0.61				20.0	12.0	1,000

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
MADISON

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	90.0	48.0	700	2.69	84.0	57.0	6,200	2.00	3.10	1.30	80,700	49.50	90.0	60.0	500	1.45	65.0		200	73.0	32.0	2,900
1986		31.0		2.52	70.0	40.6	5,800	1.60	2.83	1.77	75,000	54.00	79.0	50.0	700	1.35				40.0	23.0	3,000
1985		17.0		3.45	70.0	24.2	5,400	2.02	1.81	1.00	91,600	84.50	70.0	26.0	1,000	1.50				26.0	9.1	1,900
1984	64.0	28.1	100	3.52	73.0	34.6	7,500	2.39	2.45	1.45	100,100	78.00	68.0	29.0	700	1.77				53.0	23.0	2,500
1983	62.0	37.0	100	3.67	76.0	44.8	5,700	2.40	2.55	1.17	84,700	63.00	75.0	49.0	700	1.55				80.0	40.0	3,800
1982		41.0		3.65	76.0	52.9	3,400	2.08	2.49	1.08	104,800	52.50	68.0	33.0	600	1.50				70.0	31.4	2,800
1981	60.0	31.0	200	3.68	64.0	46.9	3,900	2.32	2.62	1.57	99,000	48.50	69.0		500	1.89				65.0	27.1	2,900
1980	65.0	33.0	700	4.22	65.0	40.7	3,200	2.83	2.22	1.46	94,500	62.50	81.0		300	1.96				66.0	40.9	1,200
1979	50.0	22.0	400	3.67	61.0	26.5	4,700	2.11	2.27	1.40	82,300	54.79	70.0	30.0	900	1.53				58.0	15.0	1,700
1978	60.0	26.0	100	2.93	62.0	40.0	5,100	1.82	2.61	1.59	70,000	44.48	67.0	46.0	1,000	1.48				51.0	40.0	1,800
1977	54.0	28.5	200	2.54	52.5	30.0	7,200	1.70	2.38	1.16	72,600	48.34	67.5	60.0	800	1.40				45.0	36.5	2,600
1976	49.0	38.0	100	2.41	61.0	39.9	9,100	2.04	2.32	1.01	69,300	44.81	63.0	57.0	1,100	1.49				35.0	24.6	2,100
1975	58.0	41.4	100	3.45	53.0	36.0	7,300	2.13	2.34	1.67	87,800	40.19	57.1		1,100	1.55	40.0		200	45.0	21.3	2,000
1974	44.0	29.8	100	4.14	38.0	16.0	4,600	2.54	2.32	1.42	76,300	40.40	62.0	29.0	1,300	1.75		24.0		40.0	24.1	800
1973	42.0	36.0	200	4.29	55.0	38.0	3,800	2.26	2.41	1.69	82,100	59.26	59.0	21.0	1,200	1.65				45.0	20.0	1,800
1972	44.0	21.0	400	1.95	45.0	32.0	3,900	1.22	2.28	2.00	81,700	34.46	56.0	40.0	800	0.86				35.0	24.0	1,400
1971	57.0	28.0	400	1.19	49.0	45.0	3,200	0.91	2.29	1.49	83,400	24.99	51.0	40.0	800	0.64				36.0	26.0	2,200
1970	44.0	29.0	300	1.35	57.0	32.2	2,400	0.85	2.13	1.60	80,100	21.81	49.0		900	0.64				31.0	24.0	1,300
1969	43.0	31.5	200	1.22	50.6	43.7	3,200	0.80	2.08	1.28	81,300	22.35	57.0	35.0	1,800	0.60				53.0	22.8	1,000
1968	44.0	33.0	600	1.15	49.0	30.0	3,500	0.84	2.00	1.25	79,300	20.01	60.0	38.0	2,200	0.69				45.0	22.4	1,500
1967	46.0	37.0	500	1.41	55.0	35.0	3,400	0.90	2.15	1.27	80,100	21.97	62.0	34.0	2,300	0.73				50.0	24.0	2,100
1966	40.0	30.0	600	1.54	47.5	32.0	3,700	0.96	1.81	0.96	77,800	26.83	54.0	29.0	2,000	0.67				32.0	27.0	1,900
1965	41.0	25.4	900	1.28	41.0	32.0	4,400	0.96	1.86	1.03	76,000	22.29	55.5	51.0	2,300	0.64				41.0	26.0	1,900
1964	31.5	25.7	800	1.30	47.0	34.1	3,100	0.87	1.88	1.16	71,900	21.00	54.0	31.0	2,200	0.67	42.0	32.0	100	39.0	21.8	1,700
1963	36.0	28.0	300	1.87	46.0	34.0	3,200	0.82	1.90	1.14	85,700	17.08	57.0	35.0	3,000	0.57	35.0	20.0	100	36.0	23.0	3,100
1962	32.0	25.0	300	2.02	42.0	40.0	4,100	0.83	1.85	1.34	86,400	18.60	61.0	50.0	3,400	0.61	38.0		100	32.0	24.0	2,700
1961	30.0	17.0	100	1.89	44.0	16.0	3,900	0.94	1.82	1.27	78,300	24.53	57.0	23.0	2,200	0.65				37.0	8.0	2,100
1960	23.0	15.0	500	1.69	39.0	23.0	4,000	0.77	1.70	1.34	79,800	24.04	52.0	28.0	2,800	0.61	40.0		100	26.0	14.0	1,400
1959	36.0	26.0	900	1.62	36.0	26.0	4,100	0.77	1.75	1.10	89,900	21.03	47.0	24.0	3,000	0.62	32.0		100	29.0	13.0	3,600
1958	32.0	29.0	1,000	1.54	51.0	39.0	4,400	0.77	1.78	1.33	91,700	13.46	51.0	48.0	3,000	0.54	28.0		200	39.0	26.0	1,900
1957	37.0	16.0	1,000	1.85	43.0	25.5	3,500	0.77	1.67	1.16	88,000	14.30	61.0	18.0	2,400	0.50	34.0		500	36.0	20.0	3,100
1956	35.0	15.0	100	1.84	41.0	18.0	2,200	0.87	1.78	0.69	83,700	20.97	48.0	19.0	2,700	0.56	31.0		100	37.0	21.0	1,500
1955	24.0	18.0	200	1.80	36.0	24.0	3,200	0.80	1.65	0.94	70,300	29.30	51.0	35.0	2,600	0.56				26.0	23.0	2,000
1954	24.0	12.0	500	2.01	38.0	20.0	3,300	1.03	1.57	0.87	69,300	21.15	44.0	29.0	3,000	0.68	20.0		100	33.0	11.0	2,900
1953	25.0	13.0	1,100	2.02	32.0	9.0	5,500	1.08	1.44	0.86	77,700	19.67	44.0	21.0	4,900	0.72				31.0	11.0	4,900
1952	33.0	16.0	1,000	2.00	45.0	24.0	7,000	1.23	1.53	0.89	73,600	29.40	52.0	28.0	5,500	0.84				34.0	18.0	5,000
1951	29.0	18.0	1,600	1.99	49.0	22.0	5,200	1.14	1.49	0.86	62,300	36.90	53.0	45.0	3,500	0.84				32.0	17.0	6,700
1950	33.0	21.0	1,100	1.66	38.0	24.0	6,300	0.96	1.52	1.10	78,300	22.70	58.5	28.0	4,600	0.69				34.0	20.0	5,900
1949	32.0	16.0	2,700	1.86	40.0	17.0	5,600	0.90	1.37	0.76	67,700	22.98	50.0	30.0	5,000	0.66				35.0	13.0	4,400
1948	60.1	21.0	4,500	1.88	37.0	23.0	4,800	0.99	1.56	1.06	69,800	20.96	55.0	25.0	3,300	0.74				34.0	19.9	4,800
1947				2.37	38.0	24.0	4,200	1.41				17.40				0.96						
1946				1.85	43.0	26.0	4,500	1.18				17.50				0.75						
1945	35.0	22.3	4,600	1.44	41.0	31.2	4,100	0.93				12.70	41.0	23.0	3,200	0.61				28.4	15.0	4,600

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
MCCONE

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987		36.0		2.69	60.0	40.0	100	2.00	2.40	1.30	7,000	49.50	77.0	40.0	300	1.45		30.0		52.0	29.0	1,700
1986		25.0		2.52	67.0	29.2	100	1.60	2.76	1.21	3,800	54.00		32.0		1.35		25.8		53.0	23.2	1,800
1985		12.7		3.45	41.0	16.5	400	2.02	2.09	0.51	3,500	84.50	64.0	22.0	100	1.50		7.1		61.0	11.9	2,600
1984		22.1		3.52	56.0	26.3	300	2.39	2.17	0.83	3,500	78.00	57.0	21.0	100	1.77		13.0		53.0	20.9	3,100
1983		26.5		3.67	50.0	26.8	300	2.40	2.76	1.08	3,800	63.00		32.0		1.55		19.0		56.0	20.0	500
1982		30.0		3.65	63.0	37.8	200	2.08	2.46	1.30	5,600	52.50	67.0	39.6	200	1.50		25.0			28.0	
1981		26.0		3.68	58.0	30.3	500	2.32	3.36	1.06	5,500	48.50	63.0	33.0	100	1.89		21.0		40.0	21.7	900
1980		12.1		4.22	35.0	12.6	200	2.83	3.05	0.62	5,500	62.50		28.0		1.96		15.0		44.0	13.9	500
1979		21.9		3.40		22.1		1.01	2.68	1.22	5,700	55.84		21.0		1.26		21.0		45.0	18.8	100
1978		32.0		2.59		41.1		3.52	2.14	1.43	6,600	43.09		51.0		1.09		26.0		48.0	32.5	4,500
1977		19.0		2.28	50.0	17.8	100	0.86	2.33	1.23	4,800	62.06	40.0	22.0	500	1.16		15.0		41.0	18.0	800
1976		27.0		2.38		32.4		1.81	2.00	1.29	4,100	51.66		41.0		1.31		29.0		36.0	27.5	200
1975		28.0		3.54		34.0		2.49	1.70	1.07	4,400	46.27	64.0	56.3	100	1.35		33.4			22.0	
1974		30.2		4.22		28.0		1.58	1.50	0.94	3,200	49.03	51.0	36.0	200	1.56		31.3		28.0	21.2	100
1973		32.0		4.18		46.0		2.60	2.06	1.03	3,200	50.02	46.0	41.0	300	1.08		29.0		36.0	27.0	100
1972	36.0	29.0	200	1.82	41.0	36.5	200	1.23	1.79	1.04	3,500	27.65		47.0		0.64		39.0		32.0	27.5	200
1971		27.0		1.16	63.0	33.0	300	0.81	1.94	1.07	3,200	30.27		36.0		0.52		27.5		35.0	23.0	100
1970	35.0	26.8	200	1.27	50.0	33.1	200	0.56	2.21	1.06	3,900	20.87	58.0	41.0	200	0.49		30.1			21.7	
1969		32.9		1.20	51.7	41.5	300	0.67	1.70	1.15	3,700	24.61		55.0		0.50		36.4			27.6	
1968		29.4		1.23		36.0		0.71	2.48	0.90	2,900	23.61		36.0		0.55		25.3			24.7	
1967		27.5		1.37		30.0		0.81	2.50	0.75	3,800	23.12		33.0		0.57		24.0			19.5	
1966		23.0		1.52	40.0	29.0	100	0.84	2.21	0.78	3,300	21.78		28.0		0.51		22.0		37.0	17.0	100
1965		13.5		1.34	50.0	35.0	100	0.85	2.20	0.95	4,000	20.13	52.0	29.2	100	0.55		26.0			16.0	
1964		20.5		1.34	32.0	32.0	100	0.73	2.09	0.82	3,300	24.03		41.0		0.55	33.0	27.5	100	25.0	20.5	500
1963		32.0		1.85	48.0	38.0	200	0.66	1.86	0.94	2,200	14.68		34.0		0.48	32.0	28.0	300	32.0	25.0	800
1962		18.0		2.03		35.0		0.68	2.00	1.06	1,500	17.43	50.0	38.0	100	0.52	30.0	28.0	200	37.0	25.0	200
1961		9.0		2.00	30.0	8.0	100	0.80	1.69	0.40	1,300	22.73	45.0	10.0	100	0.51	40.0	5.0	100	36.0	6.0	300
1960		13.0		1.73	45.0	15.8	100	0.60	2.38	0.67	1,300	28.68	40.0	19.0	200	0.45	20.0	9.0	200	27.0	12.0	200
1959		7.0		1.77	46.0	11.0	100	0.63	1.50	0.38	2,800	26.52	38.0	13.0	200	0.49		7.0		30.0	7.5	700
1958	50.0	17.0	200	1.76		16.0		0.69	2.50	0.54	1,200	25.50		15.0		0.45		9.0		29.0	14.0	1,000
1957		22.0		1.00		20.0		0.71	1.65	0.63	2,600	20.75	50.0	23.0	100	0.44		14.0		19.0	16.0	1,200
1956		10.0		1.96		13.0		0.84	1.37	0.54	1,900	24.34		12.0		0.51	30.0	10.0	100	37.0	10.0	300
1955		20.0		2.00		20.0		0.73	1.72	0.81	1,800	19.86	48.0	33.0	100	0.45				24.0	20.5	200
1954		9.0		2.18		13.5		0.92	1.72	0.66	3,200	17.90	33.0	16.0	100	0.58		18.0			11.5	
1953		14.0		2.02		22.0		0.96	2.42	0.88	2,400	16.73	41.0	30.0	100	0.63				22.0	18.6	700
1952		5.0		2.03	30.0	8.0	100	1.14	1.56	0.59	2,800	27.61	40.0	11.0	400	0.79				21.0	7.0	400
1951		10.0		2.05	34.0	15.0	100	0.94	1.60	0.63	1,600	29.30	32.0	23.0	100	0.71				17.0	12.0	2,400
1950		11.0		1.92	37.0	25.0	300	0.92	1.16	0.68	700	21.50	46.5	30.0	100	0.62				29.0	16.5	400
1949		5.0		1.86		7.5		1.19	1.60	0.62	700	27.69		22.0		0.56				26.0	8.0	300
1948		20.0		1.88	30.0	14.0	100	1.54	1.40	0.75	500	12.74		10.0		0.56				28.0	10.0	300
1947				2.37	24.0	12.0	200	1.41				17.40				0.96						
1946				1.85		14.0		1.18				17.50				0.75						
1945		12.1		1.44		15.0		0.93				12.70		22.0		0.61				17.0	9.0	300

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
MEAGHER

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		36.0		2.69	76.0	37.0	1,500	2.00	2.10	1.20	25,000	49.50	68.0	70.0	600	1.45				56.0	20.0	500
1986	57	33.3	100	2.52	67.0	44.8	3,700	1.60	2.55	1.77	30,500	54.00	80.0	53.0	800	1.35				75.0	30.1	400
1985		13.3		3.45	51.0	9.0	100	2.02	1.28	0.60	47,100	84.50	50.0	11.0	400	1.50				30.0	5.0	400
1984		24.5		3.52	49.0	22.8	1,800	2.39	1.80	1.06	49,100	78.00	45.0	27.0	600	1.77					14.5	
1983	60	24.0	100	3.67	50.0	39.3	1,100	2.40	1.94	0.83	33,700	63.00	87.0	36.0	600	1.55						
1982	45	37.0	100	3.65	66.0	43.3	3,700	2.08	1.88	1.32	42,500	52.50	69.0	54.6	400	1.50					20.0	
1981		37.0		3.68	53.0	42.8	1,900	2.32	1.84	1.43	38,000	48.50	63.0	41.0	400	1.89				45.0	19.5	100
1980	44	27.4	100	4.22	55.0	32.3	2,600	2.83	1.99	1.12	34,500	62.50	64.0	41.0	200	1.96					24.0	
1979		27.0		3.66	57.0	27.2	3,500	2.05	2.01	1.07	39,400	54.85	53.0	33.0	400	1.45					17.0	
1978		29.0		2.79	67.0	30.6	4,000	1.71	1.98	1.28	34,300	45.46	61.0	49.0	200	1.31					20.0	
1977	38	34.0	100	2.35	45.1	38.6	4,100	1.64	2.09	1.18	31,000	55.82	75.0	45.0	400	1.41					21.0	
1976	37	31.0	100	2.30	55.0	42.7	1,900	2.03	1.82	1.01	33,500	45.75	59.0	40.0	500	1.56					24.0	
1975	40	31.4	300	3.28	56.5	35.5	1,500	2.18	1.82	1.54	33,000	40.47	55.0	42.0	300	1.57					15.3	
1974		24.1		3.99	35.0	17.0	2,900	2.67	2.09	1.11	36,500	46.35	39.0	23.0	100	1.61				30.0	12.0	100
1973		14.0		4.36	39.0	30.0	1,200	2.28	1.79	1.00	30,700	58.01	48.0	12.0	800	1.25				47.0	12.0	100
1972		25.0		1.94	53.0	29.0	1,000	1.26	1.87	0.76	39,800	35.08	49.0	33.0	800	0.76				34.0	21.5	100
1971		29.0		1.18	38.0	24.0	900	0.85	1.53	0.97	41,600	29.01	40.0	35.0	300	0.57					21.0	
1970	35	26.0	100	1.26	35.0	30.7	1,100	0.80	1.60	1.03	43,300	24.07	47.0	37.0	200	0.56				30.0	16.0	100
1969	37	24.2	200	1.19	44.7	39.0	2,400	0.72	1.46	0.98	42,300	26.09	49.0	40.0	200	0.53				30.0	16.0	200
1968	44	33.5	200	1.10	45.0	30.5	1,600	0.79	1.97	1.15	44,600	21.71	64.0	39.5	300	0.61				31.5	18.5	200
1967	48	32.0	400	1.32	37.0	34.0	1,200	0.84	1.87	1.19	43,300	22.11	68.0	32.0	900	0.63				43.0	14.0	300
1966	44	26.0	400	1.46	38.0	24.1	800	0.87	1.49	0.94	43,200	26.84	44.0	25.0	900	0.57				30.0	24.0	100
1965	36	29.6	500	1.20	43.0	37.6	600	0.88	1.58	1.00	43,100	21.79	42.0	40.0	700	0.56				44.0	16.0	300
1964	39	26.4	600	1.23	44.0	28.4	600	0.81	1.46	1.00	42,300	21.35	49.0	45.0	1,200	0.57				33.0	18.7	200
1963		34.0		1.83	50.0	38.0	400	0.76	1.47	0.62	46,500	17.14	58.0	45.0	1,100	0.54				35.0	23.0	700
1962		19.0		2.02	42.0	36.0	600	0.77	1.38	1.18	46,100	18.13	49.0	40.0	1,000	0.58				26.0	25.0	400
1961		16.0		1.81	25.0	10.0	300	0.91	1.11	0.75	35,700	26.08	36.0	25.0	900	0.67				25.0	4.0	200
1960		10.0		1.67	30.0	11.0	300	0.72	1.27	0.83	38,100	26.02	38.0	28.0	1,100	0.60				23.0	9.0	200
1959		27.0		1.59	30.0	22.0	200	0.73	1.30	0.94	44,100	22.07	40.0	27.0	1,700	0.58					10.0	
1958		23.0		1.65	38.0	16.0	400	0.75	1.25	1.03	43,400	16.94	44.0	25.0	1,700	0.53				24.0	27.0	400
1957	27	6.0	300	1.79	34.0	29.0	300	0.72	1.06	0.75	39,900	16.57	40.0		1,600	0.51				15.0	12.0	800
1956	15	13.0	100	1.83	24.0	14.0	500	0.87	0.96	0.70	34,200	24.89	34.0	33.0	900	0.57				19.0	13.0	100
1955		17.0		1.56	25.0	18.0	100	0.80	1.10	0.83	33,900	19.92	38.0		1,600	0.56				20.0	16.0	300
1954		19.0		2.31	25.0	13.0	800	1.03	1.16	0.75	33,900	19.76	38.0	15.0	1,800	0.68				24.0	13.0	200
1953		15.0		1.19	27.0	12.0	300	1.08	1.15	0.92	40,800	19.27	39.0	28.0	1,200	0.71				22.0	11.0	200
1952	20	20.0	200	2.19	35.0	20.0	200	1.29	1.20	0.63	36,400	30.48	35.0	27.0	1,800	0.87					19.0	
1951		17.0		1.44	30.0	21.0	600	1.11	1.07	0.69	34,800	32.70	40.0	24.0	1,600	0.81				21.0	12.0	400
1950		19.0		1.01	35.0	22.0	600	0.97	1.26	0.77	40,600	26.20	30.0	36.0	2,500	0.67				20.0	12.0	1,000
1949		12.0		1.86	30.0	15.0	400	0.91	1.56	0.56	39,700	27.76	46.0	15.0	2,400	0.65				22.0	7.5	200
1948		24.0		1.88	32.0	26.0	500	0.99	1.46	0.89	30,300	20.48	60.0	38.0	2,400	0.70				25.0	14.0	200
1947				2.37				1.41				17.40				0.96						
1946				1.85				1.18				17.50				0.75						
1945	24	24.2	100	1.44	20.0		500	0.93				12.70	37.0		1,500	0.61				17.0	13.0	200

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
PARK

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	40.0	41.0	400	2.69	68.0	48.0	3,500	2.00	2.60	1.20	48,000	49.50	65.0	50.0	1,000	1.45				46.0	32.0	500
1986	62.0	36.8	100	2.52	66.0	43.3	3,100	1.60	2.49	1.67	40,000	54.00	58.0	46.0	1,100	1.35				43.0	30.0	200
1985	40.0	20.7	800	3.45	55.0	17.6	1,200	2.02	1.99	0.82	39,000	84.50	72.0	35.0	400	1.50	58.0		300	36.0	9.2	400
1984	53.0	25.9	300	3.52	69.0	28.9	2,900	2.39	2.00	1.28	46,200	78.00	69.0	34.0	900	1.77				52.0	22.4	500
1983	46.0	37.0	300	3.67	60.0	64.6	3,300	2.40	2.76	1.33	38,300	63.00	81.0	35.0	800	1.55					25.0	
1982	50.0	38.0	200	3.65	60.0	46.4	1,300	2.08	2.43	2.22	47,500	52.50	77.0	39.7	800	1.50					30.0	
1981	46.0	27.0	400	3.68	56.0	41.0	400	2.32	2.26	2.00	46,500	48.50	70.0	44.0	500	1.89				44.0	21.0	500
1980	45.0	26.0	400	4.22	61.0	29.0	2,800	2.83	2.39	1.42	41,500	62.50	59.0	39.0	600	1.96				45.0	27.9	600
1979		28.7		3.48	67.0	33.8	2,700	2.19	2.21	1.46	38,700	55.34	72.0	50.0	1,200	1.58				41.0	20.0	400
1978	45.0	30.5	200	2.66	59.0	27.2	4,000	1.72	2.13	1.53	47,600	45.20	65.0	44.0	1,200	1.50				49.0	32.0	200
1977	37.0	39.0	400	2.28	44.6	35.7	3,700	1.75	2.01	1.11	41,400	54.33	57.5	20.0	800	1.32				44.0	31.5	900
1976	36.0	28.0	800	2.23	40.0	33.2	2,000	2.07	2.04	1.13	39,400	49.94	59.0	53.0	500	1.52				37.0	23.0	600
1975	45.0	25.6	300	3.16	46.0	36.0	2,600	2.30	1.93	1.70	43,700	45.17	57.0	37.3	300	1.65				40.0	20.2	300
1974	38.0	23.5	500	3.93	38.0	15.0	1,700	2.61	2.19	1.67	43,600	47.68	54.0	42.0	500	1.79		16.0		37.0	7.8	500
1973	36.0	24.0	900	4.26	48.0	27.0	1,000	2.24	2.07	1.31	47,600	58.08	56.0	31.0	1,000	1.31		19.0		36.0	15.0	900
1972	41.0	29.0	800	1.83	73.0	38.5	1,900	1.23	1.83	0.92	43,600	32.72	61.0	45.0	1,200	0.84		29.0		43.0	17.5	500
1971	45.4	29.0	500	1.14	39.0	31.0	2,200	0.95	2.26	1.51	46,800	26.52	57.0	44.0	1,200	0.66		21.0		33.5	28.0	1,800
1970	41.0	25.6	300	1.25	44.0	26.1	1,600	0.86	2.19	1.47	43,900	23.34	54.0	38.0	900	0.69	38.0	21.0	200	31.0	20.4	800
1969	41.0	29.4	1,000	1.13	59.6	44.2	1,000	0.85	2.06	1.53	42,700	24.65	58.0	49.0	900	0.68		22.0		39.0	26.0	600
1968	48.0	35.5	1,000	1.09	54.0	43.5	1,100	0.87	2.27	1.50	42,900	20.71	60.0	44.0	1,000	0.66	46.0		100	42.0	25.5	1,300
1967	55.0	32.0	1,100	1.31	44.0	41.0	1,400	0.96	2.24	1.68	45,000	19.86	60.0	48.0	1,000	0.69	32.0		100	39.0	23.0	1,400
1966	34.0	24.0	900	1.46	41.0	26.0	1,200	1.00	1.88	1.20	43,800	29.01	49.0	28.0	1,300	0.67				36.0	17.0	900
1965	32.0	24.5	1,100	1.18	45.0	31.8	1,500	0.96	1.93	1.41	44,600	21.92	46.5	31.4	1,400	0.62	34.0	20.0	100	38.0	22.0	900
1964	47.0	27.1	900	1.25	36.0	26.5	2,000	0.88	1.96	1.52	42,100	20.11	55.0	31.0	1,400	0.65	31.0	22.0	100	28.0	18.3	1,200
1963	34.0	29.0	1,100	1.80	45.0	32.0	1,100	0.82	2.10	1.50	39,600	16.90	55.0	45.0	2,600	0.57				31.0	19.0	1,000
1962	33.0	28.0	1,300	1.95	48.0	37.0	1,200	0.81	2.07	1.68	40,300	18.18	55.0	49.0	2,300	0.61	35.0		100	32.0	26.0	1,100
1961	22.0	18.0	1,500	1.75	28.0	13.0	1,200	0.96	1.94	1.08	39,400	24.00	50.0	27.0	2,000	0.67				23.0	11.0	1,000
1960	27.0	21.0	1,300	1.58	29.0	25.0	1,100	0.80	1.92	1.24	37,600	25.04	43.0	18.0	2,500	0.65	35.0	12.0	100	25.0	14.0	2,000
1959	30.0	24.0	600	1.54	34.0	28.0	1,000	0.82	1.90	1.13	45,100	22.00	54.0	24.0	1,800	0.62		20.0		27.0	19.0	2,300
1958	36.0	28.0	1,800	1.51	40.0	38.0	2,200	0.75	1.95	1.19	41,800	14.03	48.0	40.0	3,300	0.62	30.0		100	31.0	23.0	2,900
1957	29.0	22.0	600	1.80	39.0	35.0	1,900	0.78	1.92	1.23	45,800	14.66	55.0	45.0	3,200	0.55	28.0	22.0	100	30.0	26.0	1,900
1956	26.0	17.5	1,500	1.78	29.0	22.0	1,800	0.88	1.66	1.07	43,400	20.98	44.0	35.0	2,800	0.61	20.0		400	29.0	16.0	2,100
1955	33.0	20.0	1,000	1.81	32.0	21.0	2,000	0.91	1.52	0.90	40,900	20.03	48.0	29.0	3,900	0.59				32.0	16.0	1,200
1954	33.0	19.0	1,600	2.03	37.0	21.0	2,600	1.08	1.67	0.81	38,900	19.96	46.0	17.0	4,800	0.70	31.0	15.0	100	29.0	10.0	2,900
1953	23.0	20.0	1,200	1.78	31.0	15.0	2,400	1.08	1.80	1.11	38,200	18.35	49.0	21.0	4,400	0.77				26.0	13.0	3,400
1952	28.0	25.0	2,200	1.86	37.0	35.0	2,600	1.26	1.84	1.06	41,300	28.04	48.0	41.0	4,000	0.86				28.0	20.0	2,900
1951	25.0	17.0	1,300	1.95	37.0	15.0	1,800	1.13	1.47	0.85	44,200	32.80	46.0	35.0	4,300	0.83				28.0	13.0	5,600
1950	29.0	24.0	1,700	2.15	32.0	34.0	3,100	0.98	1.60	1.09	39,900	24.70	45.5	37.0	4,100	0.68				28.0	16.0	5,200
1949	30.0	22.0	1,400	1.86	40.0	22.0	1,300	0.92	1.63	0.81	39,800	25.08	46.0	25.0	3,000	0.65				25.0	18.5	5,300
1948	31.0	19.0	1,400	1.88	46.0	32.0	1,300	0.98	1.87	1.35	40,500	20.35	58.0	40.0	3,600	0.74				29.0	20.0	6,400
1947				2.37	41.0	26.0	1,400	1.41				17.40				0.96						
1946				1.85	39.0	32.0	1,400	1.18				17.50				0.75						
1945	32.0	21.5	2,000	1.44	35.0	22.0	1,400	0.93				12.70	35.0	31.0	2,200	0.61				23.0	15.0	2,300

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
PHILLIPS

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	48.0	32.0	400	2.69	59.0	41.0	1,500	2.00	1.80	1.40	45,500	49.50	94.0	50.0	800	1.45		25.0		50.0	26.0	1,500
1986	45.0	31.8	700	2.52	62.0	32.2	1,800	1.60	2.00	1.40	43,100	54.00	50.0	34.0	1,200	1.35		24.0		38.0	26.5	300
1985	20.0	14.8	600	3.45	60.0	13.3	800	2.02	1.37	0.50	38,700	84.50	42.0	11.0	1,200	1.5				52.0	9.9	1,000
1984	57.0	20.4	200	3.52	51.0	21.5	2,000	2.39	1.48	0.79	46,100	78.00	49.0	25.0	700	1.77		15.0		36.0	15.7	3,100
1983		26.0		3.67	46.0	32.5	900	2.40	2.03	1.13	46,800	63.00	60.0	40.9	1,000	1.55		30.0		57.0	28.0	2,000
1982		35.0		3.65	53.0	45.8	500	2.08	2.29	1.47	58,800	52.50	66.0	48.2	2,200	1.5		25.0		42.0	34.0	1,500
1981		25.0		3.68	58.0	33.0	1,600	2.32	2.03	1.26	39,000	48.50	64.0	39.0	1,000	1.89		20.0		48.0	21.9	1,300
1980		21.0		4.22	46.0	26.7	1,500	2.83	1.90	1.05	35,000	62.50	58.0	37.0	900	1.96				48.0	21.7	1,200
1979		23.9		3.76	57.0	29.5	3.000	2.22	1.75	1.08	37,500	51.20	52.0	39.3	1,000	1.37		18.0		40.0	17.9	1,500
1978		30.0		2.88	55.0	43.8	2,000	1.72	2.02	1.81	49,500	40.15	64.0	47.0	1,600	1.23		25.0		47.0	30.0	1,200
1977		29.0		2.50	45.3	38.4	1,700	1.71	2.10	1.15	42,500	60.85	65.0	52.0	1,000	1.32				37.0	26.0	1,000
1976		29.0		2.57	44.0	39.2	1,800	2.05	1.98	1.09	38,700	46.46	69.0	53.0	700	1.38		29.0		45.0	26.5	1,900
1975		32.1		3.75	46.5	33.0	3,200	2.16	1.97	1.15	39,800	38.27	59.0	35.4	2,300	1.36		25.5		35.0	21.8	200
1974	32.0	25.1	100	4.40	45.0	35.0	1,400	2.61	2.01	1.31	41,600	46.75	56.0	48.0	900	1.55		21.0		52.0	24.8	1,000
1973	35.0	29.0	200	4.32	73.0	30.0	700	2.26	2.06	0.98	42,400	59.55	42.0	24.0	100	1.17		19.0		41.0	18.0	1,100
1972	35.0	28.0	200	1.96	64.0	35.0	800	1.25	2.10	1.27	34,800	31.41	69.0	40.0	200	0.76		25.0		45.0	24.0	900
1971	34.0	22.0	100	1.26	60.0	31.5	800	0.85	2.04	0.91	43,800	29.29	51.0	36.0	1,400	0.54				34.0	20.0	500
1970	38.0	30.2	200	1.39	56.0	40.9	800	0.78	2.15	1.29	47,200	21.39	57.0	46.0	800	0.54		17.5		35.0	25.9	900
1969	37.0	23.5	200	1.27	43.7	37.5	1,100	0.71	2.15	1.15	38,500	22.12	45.0	29.0	1,400	0.52		20.0		31.0	21.8	700
1968	36.0	24.7	100	1.25	35.0	29.0	800	0.77	2.05	1.09	33,200	23.40	45.0	29.0	1,400	0.60		15.0		38.5	19.9	800
1967	28.0	22.0	200	1.45	40.0	19.0	900	0.84	1.88	0.89	33,700	24.66	50.0	22.0	1,200	0.60		15.0		29.0	12.5	800
1966		25.0		1.55	50.0	33.0	1,100	0.85	1.95	1.04	30,700	23.68	44.0	35.0	1,100	0.56	31.0	25.0	100	36.0	22.0	1,700
1965	35.0	16.9	200	1.24	42.0	32.0	1,100	0.84	1.97	1.22	30,500	20.25	44.0	33.1	1,200	0.52		16.5		23.0	20.0	3,300
1964	30.0	24.0	200	1.24	39.0	32.7	1,400	0.77	1.80	1.13	28,300	21.18	47.0	42.0	1,000	0.53		20.0		32.0	20.1	2,000
1963	40.0	34.0	100	1.85	42.0	37.0	1,800	0.67	2.00	1.18	29,100	18.69	48.0	40.0	800	0.47		23.0		32.0	27.0	2,400
1962	25.0	14.0	100	2.05	36.0	28.0	1,100	0.69	1.85	1.26	27,200	19.92	42.0	36.0	900	0.53		27.0		24.0	23.0	1,800
1961		12.0		2.02	36.0	16.0	1,000	0.80	1.64	0.57	25,200	26.63	57.0	21.0	1,300	0.60		12.0		31.0	10.0	1,500
1960		19.0		1.76	37.0	16.0	1,200	0.63	1.61	0.86	27,400	24.41	43.0	17.0	1,900	0.52		12.0		36.0	11.0	1,900
1959		16.0		1.76	29.0	16.0	2,000	0.62	1.45	0.83	31,000	24.03	38.0	17.0	2,700	0.52		10.0		20.0	11.0	2,300
1958	30.00	15.0	300	1.69	41.0	19.0	1,100	0.69	1.70	0.66	27,600	19.35	52.0	21.0	1,400	0.49		18.0		29.0	14.0	2,500
1957		21.0		1.99	30.0	23.0	1,400	0.69	1.74	0.68	27,000	19.25	31.0	22.0	1,600	0.48	30.0	11.5	100	23.0	13.0	2,600
1956		28.0		1.95	26.0	22.0	1,100	0.86	1.57	0.66	26,200	24.81	46.0	24.0	1,600	0.51		14.0		29.0	14.0	1,600
1955		28.0		1.97	36.0	29.0	600	0.70	1.87	0.76	24,700	20.03	45.0	32.0	900	0.49				27.0	21.0	1,800
1954		22.0		2.46	30.0	24.0	1,100	0.92	1.66	0.82	29,900	19.01	48.0	27.0	1,600	0.59	25.0	17.0	200	26.0	18.0	2,800
1953	24.0	19.0	100	2.04	33.0	24.0	1,200	0.99	1.48	0.78	31,300	17.33	40.0	25.0	2,700	0.64				26.0	20.0	3,400
1952		8.5		1.92	43.0	27.0	700	1.15	1.33	0.70	22,500	28.86	58.0	27.0	2,600	0.79				28.0	15.5	3,100
1951		11.0		3.05	34.0	18.0	700	1.01	1.51	0.73	20,200	30.20	50.0	20.0	2,000	0.72				28.0	10.0	7,900
1950		9.0		2.03	30.0	20.0	1,500	0.93	1.38	0.76	24,800	23.90	55.0	21.0	4,000	0.61				26.0	11.0	2,800
1949		5.0		1.86	22.6	7.5	1,800	1.41	1.14	0.61	28,500	26.96	36.0	8.0	4,100	0.60				30.0	6.0	7,600
1948	28.0	16.0	300	1.88	35.0	21.0	1,600	0.96	1.36	0.78	29.300	20.50	55.0	30.0	4,400	0.59				35.0	15.3	5,300
1947				2.37	30.0	14.0	1,700	1.41				17.40				0.96						
1946				1.85	30.0	17.0	1,800	1.18				17.50				0.75						
1945	37.0	18.0	100	1.44	34.0	19.0	3,500	0.93				12.70	52.0	27.0	2,300	0.61				27.0	10.5	1,800

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
POWDER RIVER

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987		37.0		2.69	70.0	36.0	100	2.00	2.10	1.00	12,000	49.50		43.0		1.45					23.0	
1986		26.7		2.52	61.0	28.3	200	1.60	2.07	1.16	13,500	54.00	60.0	41.0	100	1.35				43.0	17.6	100
1985		23.2		3.45	52.0	25.2	100	2.02	1.90	0.68	18,400	84.50	69.0	31.0	200	1.50					15.7	
1984		30.3		3.52		26.2		2.39	1.68	1.17	10,000	78.00	51.0	40.0	300	1.77				43.0	22.5	100
1983		34.0		3.67	55.0	25.7	100	2.40	1.88	1.03	90,200	63.00	60.0	33.1	200	1.55					15.0	
1982		31.0		3.65	55.0	36.0	100	2.08	1.80	1.81	14,200	52.50	69.0	39.9	200	1.50					28.0	
1981	44.0	29.7	300	3.68	58.0	19.6	700	2.32	2.50	1.25	9,000	48.50	61.0	34.0	100	1.89		15.0		49.0	16.0	100
1980	45.0	16.7	100	4.22	37.0	14.9	100	2.83	2.18	0.88	15,500	62.50	65.0	30.0	200	1.96				50.0	12.2	200
1979		25.6		3.34		22.5		2.06	2.15	1.15	14,400	54.35	47.5	25.0	400	1.53		18.0			13.4	
1978		27.5		2.56		29.5		1.71	2.49	1.43	9,600	47.82	56.0	44.0	500	1.18		26.0			26.0	
1977		27.0		2.19	50.0	34.5	100	1.39	1.90	1.08	7,200	60.62	85.0	32.7	200	1.23		21.0		38.0	15.0	400
1976		30.0		2.25	50.0	40.0	300	2.93	1.61	1.25	9,500	50.96	61.0	40.0	100	1.50		27.0			25.0	
1975		26.0		3.28	45.0	27.0	100	2.97	2.24	1.36	14,700	45.50	41.0	31.5	100	1.58		8.3			23.5	
1974		34.4		3.95	62.0	18.0	100	1.23	2.15	1.10	12,100	50.05	45.0	30.0	100	1.71		18.4			18.2	
1973	50.0	36.0	100	4.12	65.0	41.0	300	1.80	1.92	1.11	19,100	53.28		45.0		1.13					29.0	
1972	40.0	34.0	100	1.77	76.0	46.0	300	1.82	1.72	1.47	20,000	27.36	67.0	46.0	100	0.70				43.0	24.5	200
1971		31.0		1.13	35.0	28.0	100	0.78	1.41	1.13	12,600	25.06	58.0	37.3	400	0.59					23.0	
1970		28.7		1.22	37.0	29.7	300	0.56	1.50	1.19	11,500	21.54		33.0		0.63					20.5	
1969		29.9		1.13	45.0	41.1	100	1.03	2.31	1.16	11,000	26.47	58.0	43.0	100	0.62					24.4	
1968		34.8		1.09	44.0	31.0	100	0.74	1.95	1.13	7,500	24.58	56.0	38.0	100	0.64					18.5	
1967	40.0	34.5	300	1.25	42.0	34.0	100	1.60	2.13	1.22	6,700	20.61	50.0	32.0	200	0.67				30.0	12.0	200
1966		23.0		1.50	34.0	19.0	100	0.57	1.38	0.76	6,000	29.13	49.0	20.0	200	0.63		16.0		26.0	12.0	400
1965		18.0		1.19		32.0		0.89	1.92	1.11	6,600	21.38	36.0	26.9	200	0.58				21.0	11.0	300
1964	25.0	21.0	100	1.26	32.0	21.8	100	0.79	1.44	0.93	6,200	28.25	48.0	34.0	200	0.62				24.0	12.4	200
1963	34.0	31.0	100	1.73	44.0	32.0	500	0.70	1.61	1.04	8,000	18.56	49.0	28.0	600	0.55	30.0		100	26.0	14.0	300
1962	30.0	18.0	100	1.98	33.0	27.0	100	0.72	1.77	1.08	7,400	19.65	34.0	28.0	700	0.58	26.0	23.0	300	40.0	15.0	200
1961	20.0	13.0	100	1.94		11.0		0.84	1.02	0.52	4,600	27.73	34.0	12.0	100	0.70					5.0	
1960	25.0	22.0	200	1.69	42.0	23.0	100	0.69	1.18	0.77	5,500	25.64	45.0	21.0	100	0.58					11.0	
1959		19.0		1.74		19.0		0.72	1.47	0.75	7,700	26.87		22.0		0.59					14.0	
1958		27.5		1.62		31.0		0.72	1.29	0.79	3,800	19.05		33.5		0.49		10.0			17.0	
1957		33.0		1.84		30.0		0.74	2.50	0.95	1,000	18.29		33.0		0.47		29.0			18.0	
1956		17.0		1.90		13.0		0.87	1.17	0.63	5,900	23.89		18.0		0.61		8.0			7.5	
1955		22.0		1.94		26.0		0.74	1.69	0.94	9,300	19.19		25.0		0.56					15.0	
1954		15.0		2.14		12.5		1.07	0.92	0.80	1,200	18.54	33.0	13.0	300	0.66		15.0			7.0	
1953		12.0		2.02		15.0		1.09	1.36	0.89	7,800	17.34	32.0	16.0	400	0.65				25.0	11.0	100
1952	19.0	10.0	100	2.05		12.0		1.16	1.34	0.74	4,400	28.28	35.0	18.0	500	0.82				17.0	8.5	300
1951		16.0		2.03	30.0	17.0	100	0.94	1.36	0.56	2,500	31.70	35.0	19.0	200	0.74				20.0	9.0	500
1950		16.0		1.61	32.0	25.0	400	0.94	1.16	0.75	4,100	25.40	23.0	28.0	300	0.67				33.0	15.0	100
1949	25.0	15.0	100	1.86	23.0	16.0	200	1.93	1.30	0.54	5,400	29.42	40.0	16.0	200	0.60					12.0	
1948		15.9		1.88		29.0		0.99	1.39	0.77	6,900	23.50	35.0	30.0	100	0.57					15.9	
1947				2.37		21.0		1.41				17.40				0.96						
1946				1.85		30.0		1.18				17.50				0.75						
1945		19.0		1.44		15.0		0.93				12.70		26.0		0.61					11.0	

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[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
PRAIRIE

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987		36.0		2.69	72.0	40.0	500	2.00	2.80	1.10	5,000	49.50	98.0	64.0	400	1.45				58.0	23.0	400
1986		24.3		2.52	74.0	33.6	1,200	1.60	2.60	1.16	5,500	54.00	61.0	32.0	600	1.35				57.0	15.0	1,200
1985		14.0		3.45	70.0	18.0	800	2.02	2.13	0.61	6,400	84.50	82.0	26.0	300	1.50				52.0	18.4	400
1984	35.0	27.2	200	3.52	52.0	22.9	1,300	2.39	2.45	0.76	4,000	78.00	65.0	35.0	300	1.77					18.1	
1983	46.0	25.0	100	3.67	65.0	27.9	500	2.40	3.25	0.96	3,600	63.00	76.0	30.0	200	1.55				48.0	20.0	500
1982	45.0	32.0	300	3.65	65.0	38.0	600	2.08	2.72	1.29	2,900	52.50	68.0	41.5	400	1.50				51.0	24.0	300
1981	48.0	29.9	500	3.68	59.0	29.7	600	2.32	2.30	1.08	5,000	48.50	64.0	32.0	500	1.89				46.0	21.6	300
1980	43.0	14.0	100	4.22	39.0	12.6	1,100	2.83	2.73	0.82	4,000	62.50	63.0	33.0	200	1.96				50.0	11.4	300
1979		24.0		3.33	63.0	24.2	700	2.06	2.30	0.89	4,700	54.18	70.0	27.7	100	1.53					14.0	
1978		30.0		2.53	63.0	31.4	400	1.71	2.58	1.40	4,000	47.66	63.0	50.0	200	1.18					27.0	
1977		24.0		2.17	48.0	22.3	500	1.63	2.39	1.09	2,300	60.55	85.0	23.9	200	1.23				40.0	17.5	100
1976		28.0		2.21	45.0	34.0	1,300	2.02	2.15	1.49	3,900	50.99	66.0	41.0	400	1.49		28.0		40.0	26.0	300
1975	50.0	30.7	100	3.25	50.0	26.0	300	2.13	3.12	1.25	5,300	45.48	68.9	46.3	1,100	1.59		32.7		35.0	24.7	100
1974	40.0	30.3	100	3.93		28.0		2.57	2.39	1.04	5,600	49.83	64.0	34.0	1,100	1.71				53.0	30.6	300
1973	50.0	33.0	100	4.13		42.0		2.03	2.64	1.15	6,100	53.22	66.0	42.0	1,000	1.13				42.0	27.0	200
1972	40.0	32.0	100	1.77	51.0	40.0	200	1.07	2.43	1.17	2,800	27.34	69.0	53.1	500	0.70				49.0	30.5	300
1971	45.0	28.3	300	1.13	35.0	27.0	400	0.84	3.38	1.00	2,400	24.92	55.2	38.0	600	0.59				53.0	31.0	200
1970	32.0	23.9	100	1.22	37.0	30.8	100	0.76	2.46	1.00	2,600	21.51	60.0	32.0	700	0.63				37.0	17.4	300
1969	32.0	26.4	100	1.13	35.0	29.5	200	0.78	2.53	0.83	4,000	26.62	58.0	45.0	400	0.61				30.0	21.2	200
1968	34.0	32.8	100	1.10	38.0	29.0	200	0.81	2.47	0.85	3,200	24.56	66.0	34.5	200	0.64		10.5		48.0	21.6	300
1967	36.0	26.5	200	1.26		30.0		0.90	3.10	0.75	4,000	20.50	70.0	34.0	200	0.67		9.0		48.0	18.0	300
1966	38.0	24.0	300	1.50		28.0		0.95	2.60	0.82	3,000	29.35	63.0	20.0	400	0.63		21.0		40.0	12.0	200
1965	34.0	20.3	400	1.19		25.0		0.87	2.66	0.77	3,800	21.09	60.0	23.8	500	0.58				27.0	11.9	300
1964	26.0	25.5	500	1.25	43.0	25.5	200	0.84	2.81	0.85	3,100	26.84	56.0	34.0	500	0.58	22.0		100	34.0	13.7	400
1963	41.0	31.0	300	1.69	47.0	29.0	100	0.70	2.45	0.97	3,300	19.54	53.0	30.0	700	0.52				30.0	20.0	200
1962	19.0	17.0	200	1.93	33.0	33.0	100	0.70	2.48	0.96	3,300	21.64	50.0	25.0	300	0.55		23.0		41.0	25.0	200
1961	25.0	9.0	100	1.99	57.0	8.0	100	0.79	2.79	0.43	2,900	26.90	65.0	11.0	500	0.66	27.0	6.0	100	37.0	4.0	700
1960	32.0	14.0	200	1.70	35.0	18.0	200	0.65	2.84	0.61	3,100	24.59	56.0	16.0	1,100	0.54	26.0		100	25.0	9.0	700
1959	35.0	14.0	100	1.75	46.0	13.0	200	0.66	2.33	0.46	4,500	27.50	50.0	17.0	900	0.55	26.0	7.0	100	26.0	7.5	900
1958	40.0	21.0	100	1.63	28.0	18.0	200	0.66	2.46	0.73	3,700	22.43	43.0	27.0	900	0.49				34.0	10.0	700
1957		27.0		1.85	34.0	24.0	200	0.73	2.25	0.70	4,000	20.23	56.0	32.0	1,200	0.46	30.0	19.0	100	32.0	15.0	500
1956		8.0		1.90	40.0	7.0	200	0.85	1.48	0.58	5,000	24.89	44.0	8.0	1,000	0.54		5.0		13.0	5.5	1,600
1955	27.0	20.0	100	1.96	30.0	20.0	100	1.04	2.28	0.69	3,600	19.43	55.0	21.0	1,300	0.50				22.0	13.0	100
1954		20.0		2.14		17.0		0.96	2.11	0.61	3,600	18.29	40.0	20.0	1,100	0.61		12.0		16.0	9.0	1,400
1953		18.0		2.00	25.0	18.0	400	0.98	1.75	0.73	5,100	16.88	44.0	22.0	1,600	0.63				18.0	11.0	1,900
1952		10.0		1.60	25.0	7.0	600	1.12	1.61	0.78	5,600	28.11	41.0	12.0	1,100	0.78				18.0	4.5	1,700
1951		19.0		2.00	31.0	18.0	800	0.92	1.26	0.71	3,300	30.50	45.0	22.0	1,700	0.72				19.0	12.0	5,000
1950		17.0		2.06	21.0	21.0	1,000	0.93	1.24	0.64	2,300	24.20	47.0	22.0	900	0.64				23.0	13.5	2,500
1949		20.0		1.86	20.0	6.0	800	5.63	1.58	0.48	2,700	28.20	54.0	12.0	1,200	0.58				23.0	8.0	900
1948		15.2		1.88	26.0	21.0	3,000	0.27	1.37	0.78	4,800	19.99	50.0	20.0	400	0.58				18.0	12.0	700
1947				2.37	27.0	23.0	3,000	1.41				17.40				0.96						
1946				1.85	31.0	14.0	2,100	1.18				17.50				0.75						
1945		18.0		1.44	26.0	21.4	1,300	0.93				12.70	26.0	25.0	300	0.61				20.0	12.0	700

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
RICHLAND

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		34.0		2.69	79.0	41.0	2,400	2.00	3.50	1.10	11,500	49.50	94.0	48.0	1,200	1.45		31.0		66.0	29.0	4,800
1986	44.0	25.0	100	2.52	68.0	36.5	1,300	1.60	2.75	1.12	10,200	54.00	79.0	46.0	700	1.35		23.0		59.0	28.6	4,700
1985		13.8		3.45	73.0	17.9	1,400	2.02	2.65	0.53	9,100	84.50	69.0	19.5	1,600	1.50		6.5		61.0	12.0	4,000
1984		22.7		3.52	69.0	25.7	1,100	2.39	2.81	0.76	7,500	78.00	70.0	31.0	1,000	1.77		18.0		63.0	18.6	3,300
1983		25.0		3.67	65.0	27.1	1,100	2.40	2.89	1.17	6,400	63.00	78.0	30.0	1,000	1.55		18.0		55.0	22.5	4,000
1982		32.0		3.65	65.0	39.7	1,000	2.08	2.88	1.14	9,100	52.50	76.0	39.5	1,400	1.50		20.0		50.0	29.0	6,200
1981		26.0		3.68	64.0	25.6	3,000	2.32	3.26	1.46	12,000	48.50	70.0	37.0	700	1.89		20.9		53.0	24.8	8,100
1980		11.9		4.22	36.0	13.2	1,200	2.83	3.92	1.11	5,500	62.50	77.0	26.0	500	1.96		13.0		49.0	14.1	5,500
1979		18.9		3.42	58.0	24.8	2,500	1.88	3.18	1.19	5,700	55.68	52.0	34.8	1,500	1.26		18.8		48.0	20.8	3,200
1978		30.5		2.65	63.0	44.3	3,100	1.53	2.61	1.48	7,100	43.04	62.0	55.0	2,200	1.09	35.0	25.0	100	48.0	32.5	4,500
1977	40.0	22.0	100	2.33	57.1	26.4	3,100	1.56	2.57	1.08	9,700	62.22	51.8	33.0	1,700	1.16	31.0	15.0	800	46.0	21.0	7,000
1976	36.0	28.0	100	2.42	59.0	40.1	2,900	1.91	2.45	1.76	6,800	51.68	60.0	47.2	2,100	1.31	42.0	26.5	300	50.0	27.5	4,000
1975	40.0	30.3	100	3.67	54.5	35.0	1,500	2.05	1.71	1.12	7,200	46.17	72.8	53.1	2,300	1.35		25.2		45.0	27.0	15,100
1974		30.2		4.30	67.0	31.0	3,300	2.59	2.28	0.96	5,000	49.08	67.0	36.0	1,700	1.56		16.8		50.0	20.8	5,000
1973	48.0	36.9	100	4.14	64.0	46.0	3,100	2.06	2.59	0.98	4,500	49.86	70.0	49.0	2,500	1.08		28.0		46.0	30.0	2,300
1972	40.0	30.0	200	1.81	65.0	40.0	4,000	1.12	2.51	1.32	9,200	27.71	70.0	56.0	3,500	0.64		31.0		41.0	30.0	1,800
1971	36.0	29.0	100	1.15	63.0	41.4	2,800	0.80	3.00	1.03	6,600	30.41	61.0	49.0	1,200	0.52		25.0		43.0	27.5	2,200
1970	40.0	26.8	200	1.24	53.0	34.9	2,000	0.71	2.78	1.12	8,000	20.90	61.1	45.0	2,000	0.49	44.5	18.4	200	34.5	20.8	2,200
1969	32.0	25.9	200	1.18	53.6	39.3	1,300	0.67	2.40	1.15	10,300	24.58	59.0	54.0	2,800	0.50	35.0	27.0	200	33.0	24.1	2,000
1968	32.0	27.9	200	1.19	48.0	34.0	2,400	0.71	2.62	0.89	9,100	23.72	58.0	36.0	1,800	0.55	36.0	24.0	200	36.0	22.6	2,500
1967	34.0	30.5	300	1.34	48.0	33.0	2,600	0.81	2.64	0.97	10,200	23.12	63.0	33.0	1,900	0.56	47.0	20.0	400	44.0	23.0	2,900
1966	38.0	26.0	200	1.50	55.0	31.0	2,700	0.84	2.69	0.96	9,100	21.76	58.0	31.0	1,900	0.51	27.0	18.0	200	39.0	16.0	3,300
1965	45.0	18.9	200	1.31	45.0	30.0	2,800	0.84	2.35	1.11	10,200	19.58	48.0	30.9	1,800	0.55	32.0	21.5	300	33.5	17.0	3,400
1964	25.0	22.7	400	1.31	47.0	24.8	2,500	0.81	2.54	0.90	8,300	23.95	56.0	42.0	2,000	0.53	32.0	23.0	200	33.5	17.2	4,400
1963	40.0	29.0	200	1.79	54.0	31.0	1,900	0.67	2.83	1.08	10,300	15.15	56.0	38.0	1,700	0.47	32.0	21.0	400	38.0	23.0	3,700
1962	37.0	19.0	300	1.97	45.0	39.0	3,600	0.70	2.63	1.10	10,100	17.40	57.0	48.0	2,000	0.52	33.0	32.0	600	39.0	27.0	2,900
1961	49.0	14.0	400	1.98	45.0	12.0	3,300	0.78	2.59	0.65	9,600	22.01	58.0	22.0	2,100	0.50	32.0	8.0	800	41.0	7.0	3,500
1960	29.0	25.0	100	1.72	44.0	20.8	3,800	0.58	2.49	0.87	10,100	21.47	52.0	23.0	3,100	0.44	31.0	14.0	1,200	37.0	16.0	4,500
1959	40.0	10.0	100	1.78	40.0	14.0	5,100	0.61	2.34	0.62	12,500	26.02	56.0	15.0	3,500	0.48	34.0	11.0	200	28.0	9.5	7,900
1958	50.0	25.0	100	1.78	50.0	21.0	5,000	0.68	2.84	0.61	10,900	25.95	67.0	26.0	4,200	0.41	26.0	18.0	200	40.0	18.0	6,600
1957	30.0	16.0	200	1.90	50.0	27.0	4,300	0.70	2.46	0.72	12,600	21.08	60.0	29.0	4,800	0.43	23.0	20.0	400	38.0	17.0	5,600
1956	45.0	14.0	100	1.97	42.0	12.0	4,500	0.85	2.21	0.63	12,500	23.59	58.0	16.0	3,800	0.50	29.0	9.0	400	38.0	9.0	5,800
1955		20.0		1.90	47.0	24.0	4,100	0.71	2.34	1.01	13,600	19.80	57.0	34.0	5,000	0.42				36.0	19.5	6,200
1954		8.0		2.08	34.0	13.0	3,100	0.88	2.15	0.69	15,600	17.55	46.0	16.0	5,200	0.57		17.0		20.0	10.0	6,300
1953		15.0		1.96	33.0	24.0	3,200	0.96	2.10	1.03	17,300	15.85	56.0	33.0	6,700	0.61				28.0	16.0	8,000
1952	20.0	8.0	100	1.97	36.0	12.0	2,100	1.11	2.33	0.60	17,400	26.82	51.0	14.0	7,900	0.78				27.0	8.0	8,900
1951		10.0		1.99	42.0	16.0	2,000	0.90	2.03	0.62	16,900	29.90	52.0	21.0	7,500	0.69				32.0	12.0	11,100
1950	25.0	9.0	200	1.90	40.0	27.0	3,000	0.91	1.99	0.83	17,000	22.10	54.0	32.0	10,200	0.62				29.0	21.0	7,700
1949		5.0		1.86	26.0	7.2	2,300	1.26	2.25	0.63	16,400	28.30	45.0	8.0	2,500	0.82				29.0	7.5	7,900
1948		16.0		1.88	42.0	22.0	5,000	0.95	1.88	0.97	15,100	20.00	52.0	35.0	7,900	0.53				30.0	15.8	9,100
1947				2.37	35.0	22.0	5,100	1.41				17.40				0.96						
1946				1.85	33.0	15.0	5,200	1.18				17.50				0.75						
1945		11.6		1.44	42.0	24.0	2,000	0.93				12.70	42.5	27.0	6,100	0.61				22.4	11.5	2,200

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
ROOSEVELT

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/Ac)	Non Irrig Yield (Ton/Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/Ac)	Irrig Acres
1987		32.0		2.69	50.0	36.0	200	2.00	2.80	1.10	8,500	49.50	85.0	46.0	200	1.45		29.0		52.0	27.0	1,200
1986		21.8		2.52	54.0	24.1	100	1.60	2.30	1.04	10,400	54.00	80.0	32.0	200	1.35		24.0		46.0	22.8	700
1985	16.0	8.6	300	3.45	35.0	9.8	300	2.02	2.51	0.55	7,600	84.50	66.0	24.0	100	1.50		7.5		44.0	7.9	2,400
1984	34.0	19.7	100	3.52	54.0	17.3	700	2.39	2.69	0.69	6,100	78.00	55.0	22.0	500	1.77		16.0		58.0	14.0	4,200
1983		23.5		3.67	50.0	20.2	600	2.40	2.54	0.99	5,200	63.00	72.0	29.0	300	1.55		17.0		56.0	18.0	500
1982		30.0		3.65	50.0	34.9	400	2.08	3.18	1.31	5,700	52.50	66.6	43.0	600	1.50		27.0		45.0	29.5	900
1981		25.9		3.68		30.3		2.32	2.31	1.37	6,500	48.50		38.0		1.89		20.0		47.0	20.9	300
1980		10.4		4.22	37.0	13.3	100	2.83	2.41	1.10	6,500	62.50	51.0	22.0	100	1.96		14.0		44.0	12.8	400
1979		16.2		3.51	55.0	26.2	100	1.88	2.68	1.23	10,500	55.96	37.0	34.8	400	1.26		21.4		35.0	18.9	800
1978		26.0		2.69		38.9		1.53	2.60	1.27	5,700	43.01	57.0	49.0	200	1.09	35.0	27.0	100	37.0	27.5	500
1977		24.0		2.42		25.5		1.57	2.51	1.29	5,700	62.04	40.0	25.0	600	1.16	37.0	17.5	1,000	39.0	20.0	500
1976		29.0		2.51	50.0	35.1	500	1.91	2.40	1.76	8,200	51.68	52.0	37.0	1,000	1.32	39.0	27.0	600	40.0	29.0	2,000
1975		29.2		3.86		31.0		2.05	2.16	1.17	10,500	46.10	39.3	31.5	1,200	1.35		28.3			27.1	
1974		26.6		4.58		28.0		2.59	1.56	1.33	12,700	49.34	43.0	30.0	700	1.56		18.6		25.0	19.4	300
1973	45.0	28.0	100	4.21		36.0		2.06	1.29	1.14	6,300	50.07	60.0	41.0	700	1.08		25.8		40.0	24.0	200
1972	40.0	32.5	100	1.84	50.0	42.0	200	1.12	2.59	1.46	5,100	27.83	56.0	55.0	600	0.64		31.0		36.0	30.5	300
1971		27.0		1.20	43.0	34.0	700	0.80	2.04	1.06	5,000	30.32		42.0		0.52		22.5		35.0	25.5	300
1970		24.7		1.33	40.0	31.2	200	0.71	1.55	1.05	5,100	21.03	59.0	42.0	500	0.49		21.7			21.8	
1969		30.0		1.27	46.8	41.0	400	0.67	1.93	1.10	3,000	24.59	74.0	52.0	1,500	0.50		26.8			27.8	
1968		24.0		1.32		28.0		0.71	2.12	0.85	1,700	23.59		26.0		0.55		21.7			23.2	
1967		28.5		1.46	45.0	28.0	100	0.81	2.38	0.86	3,200	23.28		29.0		0.56	35.0	19.0	300		19.5	
1966		28.0		1.55		31.0		0.84	2.41	0.91	2,700	21.88		40.0		0.51		19.0		36.0	20.0	100
1965		18.5		1.33		33.0		0.81	2.00	1.04	2,600	19.52	52.0	34.8	100	0.48		23.0			19.0	
1964		22.0		1.33	33.0	31.0	300	0.75	2.22	0.98	2,700	23.08		44.0		0.49	32.0	21.8	400	28.0	19.0	500
1963		23.0		1.86		31.0		0.64	1.93	1.19	1,500	15.34		36.0		0.44		24.0		29.0	22.0	100
1962		19.0		2.03	42.0	41.0	100	0.67	1.57	1.11	1,400	16.68		46.0		0.47		37.0		30.0	29.0	200
1961		12.0		2.01		10.0		0.78	2.00	0.60	1,100	23.54		13.0		0.50		10.0		18.0	8.0	200
1960		25.0		1.72	30.0	25.3	300	0.59	1.38	0.90	1,300	22.61	30.0	28.0	100	0.44		21.0		36.0	19.0	200
1959		14.0		1.77		19.0		0.61	1.89	0.69	900	27.93		16.0		0.48		11.0			12.5	
1958		15.0		1.81	34.0	17.0	400	0.68	0.95	0.49	2,100	25.99		11.0		0.45		13.0			13.0	
1957		17.0		2.03		20.0		0.70	1.11	0.69	900	22.02		19.0		0.44	20.0	12.5	200	19.0	15.0	800
1956		6.0		1.96		14.0		0.84	1.36	0.69	1,400	23.89		13.0		0.50	29.0	10.5	200	32.0	10.0	700
1955		22.0		2.01		27.0		0.71	2.07	1.11	1,400	19.71	40.0	34.0	100	0.44				25.0	20.5	500
1954		13.0		2.18		13.5		0.88	1.73	0.81	2,200	17.45		17.0		0.56		19.0		18.0	10.5	1,100
1953		17.0		1.98		20.0		0.99	1.86	1.06	1,900	16.23		37.0		0.61				22.0	20.0	400
1952		8.0		2.05		11.0		1.12	1.37	0.64	600	27.12		18.0		0.77				20.0	9.5	400
1951		6.0		2.12		17.0		0.90	1.20	0.70	600	29.00	35.0	19.0	100	0.70					14.0	
1950		9.0		1.95		29.0		0.91	1.80	0.76	100	21.20	42.0	34.0	200	0.61					21.0	
1949				1.86		9.5		0.67	1.33	0.58	26,000	27.31	40.0	9.0	8,300	0.55						
1948		15.0		1.88		23.0		0.95	1.08	0.87	31,000	19.51	30.0	28.0	100	0.06						
1947				2.37		21.0		1.41				17.40				0.96						
1946				1.85		16.0		1.18				17.50				0.75						
1945		12.3		1.44		20.0		0.93				12.70		27.0		0.61				17.0	13.4	100

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
ROSEBUD

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		36.0		2.69	79.0	35.0	2,900	2.00	2.70	1.00	27,000	49.50	93.0	50.0	400	1.45				63.0	22.0	3,000
1986	42.0	19.8	400	2.52	67.0	21.8	2,400	1.60	2.80	1.22	26,300	54.00	74.0	28.0	700	1.35				69.0	17.2	2,500
1985	42.0	20.7	300	3.45	82.0	22.9	2,600	2.02	2.43	0.50	19,900	84.50	56.0	31.0	400	1.50				67.0	9.9	2,400
1984	35.0	24.2	200	3.52	60.0	23.8	2,700	2.39	2.61	0.99	20,000	78.00	46.0	38.0	1,500	1.77				61.0	18.7	1,200
1983	46.0	34.0	100	3.67	70.0	30.2	1,000	2.40	3.05	0.87	19,200	63.00	80.0	27.1	400	1.55				63.0	25.0	1,000
1982		30.5		3.65	64.0	49.7	3,600	2.08	2.95	1.33	17,500	52.50	63.0	33.0	700	1.50				49.0	26.5	900
1981	50.0	36.0	200	3.68	64.0	26.6	1,500	2.32	3.31	1.38	17,500	48.50	61.0	30.0	600	1.89				49.0	15.0	1,500
1980	44.0	16.3	300	4.22	44.0	24.1	1,900	2.83	3.62	0.86	17,000	62.50	66.0	37.0	200	1.96				47.0	16.7	2,300
1979	40.0	27.8	300	3.35	65.0	28.5	2,900	2.06	3.18	1.02	19,900	54.13	80.0	30.5	600	1.53				40.0	12.0	3,000
1978	47.0	30.0	100	2.57	64.0	30.9	3,000	1.71	2.90	1.45	15,100	47.78	57.0	44.0	800	1.18				40.0	28.0	6,400
1977	38.0	22.5	300	2.24	64.1	23.5	2,700	1.63	2.90	1.07	14,000	60.45	87.5	25.5	400	1.23				46.0	18.0	7,200
1976	46.0	27.0	400	2.31	65.0	27.4	3,600	2.02	2.70	1.25	19,700	50.98	62.0	35.0	1,300	1.49		27.0		38.0	19.0	6,800
1975	48.0	28.2	1,200	3.39	68.0	29.5	2,500	2.13	3.14	1.16	17,500	45.47	56.1	45.3	2,700	1.59		31.0		47.0	17.1	4,800
1974		29.6		4.00	61.0	25.0	3,000	2.57	3.09	1.16	18,400	49.99	52.0	24.0	400	1.71		21.0		62.0	9.6	1,200
1973	46.0	32.0	200	2.73	72.0	37.0	1,400	2.03	2.47	0.86	23,200	53.19	69.0	56.0	800	1.13				41.0	28.0	1,300
1972	38.0	33.0	300	1.77	66.0	35.0	2,000	1.07	2.45	1.49	21,800	27.38	70.0	43.0	1,200	0.70				50.0	21.5	1,100
1971		29.0		1.14	52.0	41.0	1,500	0.84	2.51	1.09	20,000	24.96	68.0	41.0	900	0.59				52.5	18.0	1,200
1970		24.1		1.24	45.0	27.1	1,400	0.76	2.35	1.06	18,400	21.50	58.0	27.0	200	0.63				41.0	23.0	1,100
1969	34.0	24.2	200	1.14	50.7	34.7	900	0.78	2.33	0.99	18,100	26.58	71.0	33.0	700	0.62		10.0		38.0	21.8	1,200
1968	44.0	36.9	200	1.10	60.0	36.0	800	0.81	2.19	0.87	15,100	24.58	71.0	37.0	400	0.64				48.5	19.5	1,200
1967	45.0	33.0	200	1.26	60.0	38.0	900	0.90	2.18	1.18	17,000	20.50	90.0	34.0	700	0.67				38.0	12.0	1,100
1966	46.0	17.0	400	1.50	60.0	24.0	800	0.95	2.10	0.78	13,900	29.37	51.0	32.0	700	0.63				41.0	13.0	1,000
1965	32.0	24.9	700	1.18	38.0	31.0	700	0.90	2.04	1.06	16,000	22.24	47.0	33.8	1,000	0.59				21.0	12.1	1,000
1964	30.0	23.7	900	1.26	47.0	28.6	1,100	0.79	2.37	1.00	15,100	25.53	56.0	32.0	900	0.63	26.0	14.0	100.0	31.0	19.4	1,400
1963	41.0	33.0	500	1.75	50.0	35.0	900	0.73	2.60	1.08	13,400	18.28	63.0	33.0	400	0.55				31.0	17.0	1,400
1962	28.0	25.0	200	1.94	39.0	26.0	1,200	0.77	2.32	0.90	12,500	19.24	50.0	27.0	400	0.62	25.0		300.0	34.0	15.0	800
1961	34.0	6.0	300	1.94	46.0	5.0	700	0.88	2.40	0.56	11,100	26.50	51.0	16.0	600	0.72	28.0		200.0	30.0	3.0	1,200
1960	36.0	17.0	300	1.64	35.0	20.0	1,400	0.74	2.29	0.85	11,100	25.91	40.0	22.0	700	0.59	22.0		300.0	30.0	8.0	1,300
1959	36.0	18.0	200	1.69	31.0	19.0	1,300	0.77	1.80	0.76	12,400	26.00	46.0	18.0	800	0.61	20.0	10.0	200.0	30.0	7.0	1,400
1958	35.0	20.0	200	1.60	33.0	38.0	1,100	0.74	1.85	0.72	16,300	18.97	60.0	22.0	800	0.54				36.0	18.0	900
1957	44.0	27.0	200	1.82	34.0	30.0	1,000	0.76	2.30	0.82	9,400	17.71	38.0	30.0	500	0.51		20.0		38.0	15.0	1,300
1956	29.0	14.5	400	1.87	27.0	20.0	1,600	0.86	1.90	0.70	14,600	23.96	43.0	25.0	700	0.61	28.0	7.0	300.0	26.0	11.0	1,200
1955	28.0	21.0	600	1.93	36.0	23.0	2,000	0.97	1.96	0.87	12,400	19.40	44.0	22.0	900	0.57				28.0	12.0	1,600
1954	29.0	19.0	900	2.14	26.0	19.0	1,900	1.39	1.90	0.74	14,500	19.10	38.0	19.0	500	0.65	28.0	9.0	100.0	19.0	8.0	2,600
1953	25.0	9.0	200	1.89	28.0	15.0	1,200	1.30	1.74	0.73	14,900	17.34	43.0	18.0	1,200	0.69				22.0	10.0	4,600
1952	22.0	12.0	200	2.24	32.0	9.0	1,000	1.77	1.58	0.73	10,500	28.22	48.0	18.0	1,500	0.83				24.0	6.0	4,200
1951	23.0	21.0	100	2.02	37.0	18.0	900	0.98	1.29	0.71	9,500	30.60	42.0	18.0	2,000	0.76				28.0	11.0	2,600
1950	35.0	18.0	100	1.89	30.0	25.0	1,700	0.95	1.57	0.82	7,000	23.70	51.0	30.0	2,400	0.66				31.0	13.0	1,900
1949		18.0		1.86	29.0	10.1	2,400	0.83	1.43	0.57	36,900	27.64	45.0	11.0	600	0.62				27.0	7.5	2,000
1948	25.0	18.6	200	1.88	27.0	17.0	3,000	1.26	1.45	0.74	11,000	23.00	44.0	25.0	900	0.65				26.0	9.0	1,800
1947				2.37	29.0	20.0	2,600	1.41				17.40				0.96						
1946				1.85	34.0	13.0	1,700	1.18				17.50				0.75						
1945	29.0	22.4	100	1.44	30.0	21.0	700	0.93				12.70	36.0	33.0	300	0.61				23.0	9.0	400

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
SHERIDAN

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		29.0		2.69	60.0	34.0	100	2.00	2.70	1.10	3,000	49.50	80.0	38.0	100	1.45	63.0	26.0	800	50.0	25.0	200
1986		24.5		2.52		32.7		1.60	2.11	0.93	2,700	54.00		37.0		1.35	70.0	26.5	3,000	54.0	25.2	1,700
1985		10.4		3.45		10.4		2.02	2.46	0.69	2,400	84.50	62.0	14.0	200	1.50	17.0	8.5	900	68.0	7.4	2,400
1984		21.7		3.52		18.0		2.39	2.14	0.73	2,100	78.00	50.0	23.0	400	1.77	52.0	15.9	600	55.0	17.8	1,400
1983		25.0		3.67	75.0	21.7	200	2.40	2.52	1.04	2,100	63.00	66.0	29.0	200	1.55	40.0	15.7	200	56.0	18.0	500
1982		25.0		3.65		34.3		2.08	2.35	1.36	3,700	52.50	53.0	41.4	800	1.50	50.0	29.9	300	65.0	28.0	1,400
1981		26.8		3.68		29.7		2.32	2.33	1.10	1,500	48.50		34.0		1.89	44.0	21.7	1,900	47.0	24.4	100
1980		14.0		4.22		15.5		2.83	1.87	0.94	1,500	62.50	50.0	27.0	100	1.96	45.0	16.9	100	46.0	15.0	100
1979		18.2		3.84	54.0	26.1	100	1.88	2.24	1.19	2,900	55.86	32.0	26.1	300	1.26		19.9		35.0	19.8	600
1978		25.5		2.77	51.0	36.9	300	1.53	2.00	1.22	1,800	42.90	55.0	51.0	500	1.09		31.0		37.0	28.5	100
1977		24.0		2.48	50.0	30.7	200	1.56	2.09	1.19	1,100	62.33	40.0	30.0	400	1.16		24.0			24.5	
1976		28.0		2.46	50.0	35.6	400	1.91	2.12	1.64	3,300	51.71	56.0	41.0	500	1.31		29.0			31.0	
1975		29.3		4.20		36.5		2.05	1.33	1.04	3,000	46.09	42.3	39.4	1,600	1.35		25.8			27.9	
1974		19.2		5.29	39.0	27.0	900	2.59	1.46	0.89	2,600	49.11	38.0	35.0	1,300	1.56		19.6			19.1	
1973		18.0		4.82	40.0	34.0	700	2.06	1.32	0.90	2,200	50.08	40.0	31.0	400	1.08		21.6			22.0	
1972		26.0		1.84	54.0	47.0	800	1.12	1.67	1.33	1,800	27.83		53.0		0.64		32.0			28.0	
1971		22.0		1.20		31.0		0.80	1.20	0.90	1,000	30.35	48.0	36.0	200	0.52		23.0			22.5	
1970		20.6		1.31		30.3		0.71	1.88	0.95	800	20.89		46.6		0.49		22.0			19.9	
1969		28.0		1.28		45.0		0.67	1.35	1.09	1,700	24.71		55.9		0.50		31.8			30.9	
1968		24.0		1.37		25.0		0.71	1.33	0.70	900	23.82		29.0		0.55		18.3			19.4	
1967		30.0		1.51		22.0		0.81	1.88	0.71	800	23.31	42.0	25.0	100	0.57	38.0	19.0	200		18.0	
1966		22.0		1.58		29.0		0.84	1.62	0.86	800	21.87		37.0		0.51		21.5			20.0	
1965		15.5		1.00		35.5		0.80	1.62	0.99	800	19.71	45.0	42.0	100	0.47		26.0			21.0	
1964		24.5		1.30	42.0	31.0	100	0.73	1.56	0.99	900	23.12		39.0		0.46		26.0		29.0	21.0	100
1963		19.0		1.87	42.0	36.0	100	0.62	2.14	1.19	700	16.68	52.0	43.0	100	0.40	33.0	30.0	400	30.0	27.0	200
1962		19.0		2.06	43.0	41.0	100	0.65	1.82	1.31	1,100	17.86		47.0		0.44		36.0		32.0	30.0	100
1961		12.0		2.05		11.0		0.77	2.00	0.49	100	23.50	40.0	16.0	200	0.50		10.0		23.0	9.0	200
1960		19.0		1.72		31.0		0.58	1.50	0.98	200	22.58	33.0	32.0	200	0.44		24.0		25.0	23.0	200
1959		22.0		1.76	30.0	22.0	200	0.60	0.71	0.81	1,400	28.66		23.0		0.48		16.0		25.0	15.5	400
1958		17.0		1.83	36.0	16.0	200	0.67		0.71		26.03		20.0		0.41		12.0		30.0	14.0	200
1957		16.0		2.02		15.0		0.69	1.00	0.59	1,400	22.50		15.0		0.45		13.0			13.0	
1956				1.95		18.0		0.84		0.69		47.35		21.0		1.00		12.0		18.0	13.0	600
1955		23.0		2.00		27.0		0.71	1.86	1.08	700	18.20		37.0		0.44					22.5	
1954		13.0		2.17		18.0		0.89		0.88		17.75		17.0		0.56		19.0			11.0	
1953		18.0		1.99		22.0		0.96	1.40	0.95	700	16.45		36.0		0.62				22.0	19.5	700
1952		9.0		2.06		18.0		1.11	1.36	0.75	1,100	27.06		23.0		0.77				21.0	11.5	600
1951				2.51		15.0		0.92	1.04	0.73	1,400	29.20	40.0	19.0	100	0.70					14.0	
1950				2.01		30.0		0.93	1.15	0.85	400	21.40	33.0	40.0	200	0.62					24.0	
1949		4.0		1.86		8.5		1.17	1.25	0.64	600	27.66	40.0	14.0	200	0.56				30.0	8.5	300
1948		16.0		1.88		17.0		0.98	1.03	0.78	600	19.96	45.0	21.0	300	0.54				27.0	15.0	500
1947				2.37		23.0		1.41				17.40				0.96						
1946				1.85		16.0		1.18				17.50				0.75						
1945				1.44		17.9		0.93				12.70	30.0	22.0	200	0.61				18.0	12.0	200

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
SWEETGRASS

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987		38.0		2.69	62.0	42.0	1,300	2.00	2.80	1.00	27,000	49.50	75.0	50.0	1,200	1.45					31.0	
1986	65.0	32.0	400	2.52	74.0	32.3	2,700	1.60	2.52	1.23	28,300	54.00	64.0	50.0	1,400	1.35				55.0	22.0	100
1985	27.0	11.0	200	3.45	44.0	9.8	800	2.02	1.68	0.59	28,500	84.50	53.0	14.0	600	1.50				50.0	14.5	200
1984	46.0	21.5	100	3.52	66.0	24.6	1,000	2.39	1.81	1.11	38,700	78.00	67.0	38.0	800	1.77				52.0	19.5	100
1983		33.5		3.67	70.0	31.8	900	2.40	2.25	1.09	32,700	63.00	70.0	28.0	1,200	1.55						
1982		28.0		3.65	55.0	35.0	1,500	2.08	2.40	1.49	39,300	52.50	68.0	61.3	1,000	1.50				40.0	30.0	100
1981	50.0	34.4	400	3.68	58.0	39.9	1,800	2.32	2.50	1.64	40,000	48.50	71.0	40.0	1,000	1.89				58.0	23.0	100
1980		25.0		4.22	59.0	31.0	1,000	2.83	2.52	1.63	38,500	62.50	58.0	41.0	1,000	1.96				58.0	33.5	100
1979		23.0		1.78	67.0	26.9	1,400	2.28	1.95	1.02	32,000	55.25	63.0	38.3	1,400	1.58					10.0	
1978		26.5		1.12	56.0	28.9	1,400	1.46	2.07	1.34	23,500	45.16	64.0	44.0	1,500	1.50					29.0	
1977		30.0		0.95	54.7	38.6	1,500	1.43	1.97	1.06	28,700	54.43	56.0	20.0	1,500	1.32					37.0	
1976		26.0		2.06	58.0	36.0	3,000	2.31	1.97	0.96	34,200	49.92	56.0	47.0	600	1.52					26.0	
1975		29.8		3.16	50.5	40.0	3,400	3.81	1.83	1.44	56,700	45.00	64.0	45.2	800	1.65					24.3	
1974	40.0	20.5	200	3.91	36.0	24.0	1,900	2.43	2.00	1.50	55,400	47.76	45.0	30.0	1,700	1.79				30.0	15.5	100
1973		20.0		4.25	44.0	22.0	2,500	1.57	2.09	1.00	54,000	58.00	53.0	25.0	1,200	1.31				38.0	16.0	100
1972		31.0		1.83	51.0	41.5	1,300	1.57	1.78	1.16	39,400	32.64	63.0	38.0	1,100	0.84				35.0	26.0	100
1971		25.0		1.13	37.0	33.0	1,300	1.42	2.12	1.15	32,900	26.46	52.7	35.0	1,200	0.66				25.0	19.0	300
1970		21.0		1.22	39.0	21.7	400	0.44	1.93	1.24	31,700	23.36	57.0	38.0	500	0.69					16.3	
1969	46.0	24.5	100	1.13	49.7	43.6	900	0.85	1.98	1.03	23,200	24.61	60.0	47.0	1,100	0.68					23.0	
1968	50.0	31.0	200	1.08	54.0	37.5	1,000	0.87	2.10	1.20	26,200	20.71	60.0	36.0	2,000	0.66					23.0	
1967	56.0	34.5	300	1.30	45.0	37.0	1,300	0.96	2.11	1.37	28,900	21.47	56.0	32.0	1,700	0.69				35.0	23.0	100
1966	46.0	24.0	300	1.46	48.0	27.0	1,100	1.00	1.70	0.90	26,700	28.92	56.0	31.0	1,900	0.67				22.0	15.0	100
1965	35.0	26.0	300	1.15	46.0	35.8	1,000	0.91	1.84	0.95	25,800	24.05	53.5	37.8	2,100	0.64				28.0	21.0	200
1964	36.0	24.5	200	1.27	45.0	30.3	800	0.50	1.74	1.09	24,700	22.35	49.0	28.0	2,000	0.60				35.0	13.7	400
1963	32.0	26.0	400	1.75	40.0	27.0	800	0.79	2.06	1.20	23,800	16.67	48.0	28.0	2,400	0.57				33.0	16.0	400
1962	36.0	26.0	500	1.88	42.0	29.0	1,700	0.82	2.04	1.26	18,000	17.58	61.0	40.0	2,300	0.62	28.0	25.0	100	30.0	27.0	300
1961	41.0	14.0	500	1.77	42.0	12.0	600	0.90	1.70	0.61	21,400	25.05	49.0	13.0	2,300	0.68	20.0	6.0	100	30.0	7.0	300
1960	30.0	18.0	500	1.57	31.0	20.0	1,300	0.79	1.65	1.06	22,700	26.35	44.0	15.0	2,600	0.66				25.0	13.0	300
1959		18.0		1.55	28.0	19.0	1,100	0.82	1.51	0.85	26,600	23.03	52.0	25.0	1,800	0.63		11.0		19.0	13.0	600
1958		28.0		1.53	33.0	24.0	1,000	0.76	1.72	1.11	25,600	15.02	45.0	35.0	3,600	0.61		23.0		30.0	26.0	700
1957		22.0		1.82	38.0	27.5	400	0.79	1.50	1.01	29,600	14.97	48.0	40.0	3,400	0.56		30.0		37.0	23.0	400
1956	30.0	11.0	100	1.79	33.0	18.0	600	0.88	1.61	0.69	27,700	21.24	51.0	23.0	3,100	0.62	48.0		100	28.0	13.0	500
1955	23.0	16.0	100	1.80	33.0	21.0	700	0.85	1.50	0.91	23,700	19.80	42.0	27.0	3,100	0.61				23.0	14.0	500
1954	32.0	13.0	200	1.97	26.0	15.0	1,000	1.12	1.41	0.67	29,300	20.44	39.0	17.0	3,000	0.71		22.0		22.0	11.0	500
1953	23.0	14.0	300	1.87	29.0	15.0	1,800	1.09	1.74	0.83	27,300	17.96	46.0	19.0	3,200	0.76				20.0	12.0	1,300
1952	28.0	18.0	1,200	1.90	37.0	20.0	1,900	1.26	1.68	0.88	27,000	27.04	52.0	31.0	3,400	0.88				24.0	17.0	1,400
1951		13.0		1.88	30.0	17.0	1,800	1.11	1.50	0.92	28,700	32.30	45.0	33.0	2,200	0.82				23.0	14.0	1,800
1950		21.0		1.84	35.0	33.0	2,200	0.98	1.54	1.13	27,800	24.80	44.0	34.0	3,100	0.67				31.0	17.0	2,200
1949		15.0		1.86	39.0	17.0	1,100	0.62	1.54	0.77	28,200	25.14	44.0	20.0	2,800	0.64				21.0	14.0	2,200
1948	27.0	21.9	300	1.88	44.0	26.0	1,400	0.99	1.82	1.20	34,100	24.00	42.0	26.0	3,400	0.72				24.0	16.0	3,200
1947				2.37	32.0	19.0	1,500	1.41				17.40				0.96						
1946				1.85	27.0	26.0	1,200	1.18				17.50				0.75						
1945	31.0	18.0	100	1.44	40.0	15.0	1,100	0.93				12.70	47.5	28.0	2,700	0.61				19.0	9.0	2,100

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[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
TETON

Year	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	47.0	42.0	1,600	2.69	83.0	50.0	29,000	2.00	3.40	1.10	32,200	49.50	97.0	70.0	300	1.45	60.0	40.0	100	59.0	34.0	5,600
1986	39.0	39.8	1,200	2.52	80.0	37.1	27,900	1.60	3.04	1.63	34,200	54.00	79.0	39.0	400	1.35		26.8		55.0	29.0	4,400
1985	34.0	15.7	1,000	3.45	77.0	12.5	26,000	2.02	2.57	0.60	27,900	84.50	43.0	12.0	200	1.50	23.0	12.5	400	50.5	7.9	5,200
1984	60.0	31.0	2,800	3.52	62.0	25.0	41,500	2.39	2.09	0.80	40,100	78.00	47.0	23.0	200	1.77	62.0	18.4	800	50.0	15.9	6,500
1983	59.0	45.0	2,000	3.67	76.0	48.9	41,200	2.40	2.99	1.24	34,300	63.00	71.0	50.0	100	1.55	54.0	30.0	500	71.0	39.0	8,000
1982	55.0	47.0	2,000	3.65	78.0	58.3	34,200	2.08	2.85	1.83	46,300	52.50	84.0	76.0	600	1.50		39.2		56.0	42.0	7,200
1981	56.0	43.0	4,200	3.68	72.0	44.9	32,700	2.32	2.94	1.27	48,000	48.50	74.0	50.0	600	1.89		30.0		57.0	34.2	6,500
1980	56.0	34.0	2,300	4.22	60.0	50.3	37,000	2.83	2.98	1.56	37,500	62.50	76.0	52.0	900	1.96	50.0	37.0	200	57.0	34.9	7,000
1979	46.0	26.9	2,000	3.73	66.0	35.2	46,600	2.22	2.84	1.18	37,400	51.23	52.0	45.8	900	1.37	50.0	26.0	100	50.0	23.0	4,000
1978	52.0	30.5	1,300	2.81	69.0	35.9	38,500	1.72	2.81	1.59	42,900	40.13	60.0	36.0	500	1.22		25.0		51.0	28.0	800
1977	64.0	33.0	2,500	2.37	70.0	29.3	40,000	1.71	2.60	1.45	40,300	60.87	53.3	35.3	300	1.32	36.0	18.0	100	39.0	19.5	2,300
1976	44.0	33.5	1,400	2.45	62.0	43.2	37,800	2.05	2.18	1.09	55,300	46.46	61.0	53.0	200	1.38	45.0	33.5	1,000	47.0	32.0	6,000
1975	54.0	37.4	2,500	3.46	53.0	40.0	36,000	2.16	2.67	2.37	59,000	38.22	56.1	39.4	800	1.36	46.0	39.5	1,700	35.0	29.9	900
1974	51.0	23.7	3,400	4.21	62.0	20.0	20,900	2.61	2.73	1.06	54,700	46.63	38.0	29.0	900	1.55	40.0	10.9	200	40.0	14.1	3,200
1973	54.0	22.3	3,200	4.40	67.0	21.0	24,000	2.26	2.48	0.61	57,900	59.48	48.0	24.0	100	1.17	38.0	13.0	300	41.0	12.0	2,600
1972	55.0	26.0	5,500	1.92	70.0	35.0	22,800	1.25	2.53	1.18	59,300	31.41	68.3	45.0	300	0.76	40.0	24.5	400	45.0	23.0	3,100
1971	59.0	32.5	5,800	1.22	62.3	31.5	23,000	0.85	2.49	0.94	43,700	29.27	62.1	35.0	1,000	0.53	43.0	22.0	300	46.9	26.0	4,500
1970	53.0	30.9	4,600	1.32	67.0	46.4	21,900	0.78	2.18	1.16	49,400	21.38	59.0	54.0	600	0.54	41.0	38.3	1,200	43.0	31.7	4,300
1969	39.5	30.0	5,500	1.20	59.6	45.6	18,000	0.71	1.91	0.95	47,600	22.12	55.0	46.0	1,100	0.52	46.0	32.1	800	35.0	27.8	2,200
1968	53.0	37.9	6,000	1.13	62.0	44.0	11,500	0.77	2.20	0.83	42,700	23.43	61.0	47.0	800	0.60	50.0	27.8	100	44.5	26.4	2,200
1967	46.5	32.5	4,900	1.32	54.0	31.0	9,600	0.84	2.11	0.99	42,700	24.79	51.0	32.0	300	0.61	38.0	17.0	100	36.0	20.0	1,700
1966	56.0	30.0	6,200	1.47	63.0	43.0	11,100	0.86	1.94	0.95	41,600	23.75	54.0	43.0	800	0.56	30.0	25.0	100	41.0	25.0	1,500
1965	55.0	28.4	9,000	1.22	62.5	45.9	8,500	0.90	2.04	1.09	44,200	20.96	47.0	36.6	1,600	0.53	45.0	40.0	100	35.0	29.0	1,500
1964	44.0	33.8	8,200	1.24	48.0	36.4	10,300	1.00	1.82	0.91	39,400	20.46	50.0	44.0	1,200	0.57	47.0	27.4	100	29.0	23.5	3,400
1963	40.0	21.0	5,700	1.82	55.0	26.0	6,200	0.75	1.77	0.87	43,400	19.89	47.0	38.0	2,600	0.52	25.0	17.0	200	28.0	18.0	4,700
1962	41.0	20.0	5,900	2.01	52.0	26.0	5,300	0.77	1.62	0.94	44,600	21.91	49.0	31.0	2,800	0.58	30.0	16.0	200	33.0	18.0	4,600
1961	42.0	25.0	9,200	1.87	38.0	24.0	5,400	0.83	1.97	0.61	30,200	24.56	44.0	24.0	4,500	0.64	25.0	18.0	600	22.0	14.0	3,700
1960	36.0	23.0	10,700	1.63	37.0	25.3	4,700	0.65	1.44	0.93	38,500	22.48	45.0	27.0	3,600	0.55	26.0	20.0	300	32.0	17.0	3,200
1959	43.0	29.0	7,000	1.64	39.0	34.0	4,300	0.65	1.49	0.84	28,200	21.96	44.0	29.0	3,000	0.55	34.0	16.0	300	30.0	20.0	4,600
1958	39.0	33.5	6,300	1.57	38.0	41.0	2,700	0.77	1.53	0.97	35,000	16.47	46.0	45.0	2,300	0.54	31.0	33.0	100	29.0	30.0	2,900
1957	38.0	25.0	5,200	1.86	35.0	31.5	2,900	0.69	1.43	0.80	39,100	16.95	41.0	30.0	4,000	0.51	26.0	20.0	1,600	26.0	19.0	1,500
1956	33.0	26.0	4,900	1.87	33.0	40.0	1,800	0.81	1.39	0.76	38,300	23.91	43.0	41.0	2,900	0.52	33.0	27.0	2,000	35.0	24.0	6,500
1955	35.0	28.0	10,000	2.39	34.0	36.0	3,800	0.74	1.57	0.93	36,700	20.09	44.0	50.0	3,400	0.54				27.0	26.0	4,500
1954	34.0	25.0	13,800	3.00	34.0	29.0	7,400	0.96	1.30	0.66	40,400	19.92	39.0	24.0	5,100	0.63	26.0	25.0	1,100	23.0	18.0	5,400
1953	30.0	23.0	6,700	2.94	33.0	25.0	6,500	1.09	1.39	0.78	25,400	19.62	45.0	30.0	4,500	0.70				21.0	18.0	13,000
1952	36.0	21.0	5,600	5.11	37.0	28.0	5,300	1.22	1.32	0.76	26,100	30.40	42.0	32.0	4,900	0.85				28.0	18.5	14,300
1951	36.0	29.0	4,700	1.97	32.0	39.0	5,600	1.09	1.14	0.77	26,600	31.10	40.0	49.0	3,700	0.77				29.0	26.0	17,000
1950	37.0	19.0	2,800	2.07	33.0	36.0	7,100	0.96	1.49	0.85	16,800	23.80	38.0	40.0	6,000	0.65				24.0	25.5	16,400
1949	30.0	20.0	8,300	1.86	30.0	21.0	6,100	0.81	1.50	0.83	20,200	26.89	45.0	22.0	3,800	0.64				23.0	18.5	12,700
1948	39.0	30.0	4,900	1.88	42.0	40.0	7,500	0.94	1.64	1.03	24,800	21.46	49.0	42.0	4,000	0.38				27.0	28.6	13,000
1947				2.37	30.0	25.0	6,100	1.41				17.40				0.96						
1946				1.85	42.0	34.0	5,000	1.18				17.50				0.75						
1945	29.3	19.4	4,100	1.44	42.0	20.0	6,500	0.93				12.70	34.0	25.0	6,000	0.61				19.0	13.0	10,200

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
TREASURE

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	70.0	29.0	100	2.69	95.0	40.0	2,200	2.00	3.30	0.90	8,000	49.50	84.0		500	1.45				70.0	27.0	2,000
1986	70.0	33.5	700	2.52	85.0	21.0	2,300	1.60	3.29	1.52	6,800	54.00	55.0		500	1.35				67.0	20.1	1,700
1985	58.0	15.2	300	3.45	87.0	16.8	1,200	2.02	3.03	0.60	7,300	84.50	85.0		400	1.50				53.0	14.0	2,000
1984	60.0	26.5	300	3.52	78.0	27.0	2,300	2.39	3.38	1.42	6,500	78.00	82.0	45.0	400	1.77				65.0	16.0	2,100
1983		30.0		3.67	84.0	35.0	1,800	2.40	3.02	1.33	5,800	63.00	65.0	30.0	500	1.55				82.0	30.0	1,500
1982		31.0		3.65	71.0	55.0	1,300	2.08	3.37	1.20	3,500	52.50	64.0	46.0	400	1.50				73.0	29.0	1,000
1981	51.0	36.7	100	3.68	75.0	44.2	2,200	2.32	3.33	1.43	7,500	48.50	86.0	41.0	400	1.89		25.0		67.0	25.0	1,100
1980	51.0	15.0	200	4.22	60.0	28.6	1,300	2.83	3.10	1.28	8,000	62.50	59.0	38.0	500	1.96		18.0		53.0	19.0	1,300
1979		28.0		3.45	68.0	32.0	1,000	2.19	2.96	0.93	7,100	55.16	78.0	30.0	300	1.58		21.0		65.0	18.0	1,000
1978		31.0		2.68	64.0	29.7	1,100	1.73	2.17	1.74	4,100	45.21	66.0	49.0	400	1.50		25.0		57.0	31.0	600
1977		30.0		2.28	59.2	39.5	1,300	1.75	2.90	1.28	4,000	54.33	67.0	50.0	200	1.52				47.0	29.5	600
1976		33.0		2.26	56.0	40.8	1,500	2.06	3.19	1.89	4,800	49.87	75.0	20.0	200	1.32				51.0	25.5	1,300
1975		40.1		3.21	63.0	22.0	1,700	2.30	2.85	1.30	3,400	45.10	69.0	54.0	300	1.65				55.0	20.0	700
1974		36.0		3.98	67.0	26.0	1,100	2.61	2.85	1.35	4,600	47.75	45.0	49.0	100	1.79				62.0	12.6	600
1973	48.0	31.0	100	4.23	75.0	47.0	1,100	2.24	2.85	0.96	4,800	58.11	70.0	48.0	400	1.31				54.0	18.0	300
1972	50.0	28.0	100	1.84	48.0	25.0	800	1.23	3.00	1.22	5,000	32.58	60.0	43.0	700	0.84				49.0	20.0	200
1971		32.0		1.13	60.0	54.0	1,400	0.95	2.49	1.10	4,100	26.54	75.0		400	0.66					24.0	
1970		23.4		1.23	58.0	27.3	1,200	0.86	3.10	1.19	4,800	23.27	70.0	41.0	200	0.69					19.0	
1969	40.0	29.2	100	1.13	59.6	37.8	500	0.85	2.82	1.05	3,900	24.65	60.0	37.0	400	0.68				39.0	20.0	100
1968	52.0	35.7	100	1.08	63.5	46.5	800	0.87	2.76	1.08	5,500	20.68	66.0	34.0	300	0.65				44.0		200
1967	58.0	30.0	200	1.31	66.0	39.0	1,000	0.96	2.74	1.21	6,100	21.47	100.0	35.0	400	0.69				44.0	12.0	300
1966	44.0	29.0	100	1.46	54.0	27.0	1,300	1.00	2.19	0.89	5,700	28.90	70.0	34.0	400	0.67				45.0	18.0	300
1965	40.0	29.0	200	1.15	58.0	40.0	1,900	0.95	2.45	1.11	5,800	24.19	69.0	19.3	500	0.62				28.0	13.0	400
1964	32.0	27.0	200	1.22	46.5	31.8	1,600	0.89	2.34	1.05	5,600	24.24	64.0	39.0	500	0.66		23.0		40.0	16.0	700
1963	40.0	34.0	300	1.75	50.0	33.0	1,200	0.78	2.26	1.33	5,700	16.29	64.0	36.0	400	0.59				36.0	21.0	300
1962	38.0	24.0	200	1.93	31.0	21.0	1,200	0.81	2.35	1.20	6,000	18.66	40.0	30.0	300	0.65	35.0	18.0	100	25.0	23.0	400
1961	35.0	7.0	200	1.84	46.0	9.0	1,300	0.89	2.63	0.50	5,400	27.53	60.0		200	0.67				41.0	6.0	1,300
1960	35.0	20.0	500	1.63	49.0	14.0	2,000	0.80	2.47	1.07	5,100	26.51	64.0	22.0	800	0.65				30.0	14.0	200
1959	47.0	16.5	200	1.62	45.0	20.0	4,000	0.81	2.45	0.89	5,600	25.99	62.0	24.0	500	0.62				41.0	15.0	500
1958	35.0	21.0	300	1.55	50.0	18.0	2,900	0.75	2.64	0.87	5,000	26.20	60.0	35.0	500	0.57				37.0	12.0	900
1957	28.0	32.0	700	1.81	49.0	32.0	3,300	0.79	2.74	0.95	6,500	16.48	60.0	45.0	1,000	0.56	30.0		100	39.0	16.0	1,200
1956	25.0	12.0	100	1.80	40.0	12.0	2,400	0.89	2.57	0.50	7,900	22.96	60.0	23.0	1,100	0.63	23.0		100	35.0	12.0	1,400
1955	34.0	16.0	400	1.87	40.0	27.0	2,500	0.75	2.82	0.88	5,100	19.75	52.0	32.0	1,200	0.59				30.0	14.0	1,100
1954	27.0	17.0	700	2.01	38.0	16.0	2,000	1.14	3.15	0.99	4,100	19.97	32.0	20.0	1,200	0.67				25.0	12.0	1,200
1953	24.0	8.0	800	2.15	31.0	13.0	2,700	1.07	1.98	0.70	9,000	17.34	43.0	21.0	1,100	0.72				21.0	7.0	2,300
1952	28.0	11.0	700	2.24	39.0	9.0	2,000	1.23	2.09	0.71	7,000	27.96	52.0	19.0	1,200	0.86				27.0	10.0	2,800
1951	24.0	17.0	200	1.44	37.0	13.0	1,600	1.03	1.98	0.70	6,400	31.00	46.0	35.0	800	0.78				25.0	10.0	2,200
1950	24.0	14.0	100	1.98	39.0	23.0	1,800	0.96	2.03	0.93	6,700	26.70	60.0	40.0	1,000	0.65				26.0	13.0	900
1949		14.5		1.86	34.0	10.7	2,100	0.86	1.93	0.62	9,000	27.00	51.0	12.0	2,600	0.62				32.0	9.0	700
1948		18.2		1.88	31.0	23.0	2,000	0.97	1.80	0.91	10,500	23.04	44.0	24.0	1,700	0.68				30.0	8.0	900
1947				2.37	36.0	14.0	1,100	1.41				17.40				0.96						
1946				1.85	41.0	30.0	1,600	1.18				17.50				0.75						
1945	32.0	22.4	100	1.44	24.0	13.6	2,000	0.93				12.70	49.5	19.0	700	0.61				23.0	16.0	1,600

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
VALLEY

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	50.0	32.0	100	2.69	40.0	34.0	900	2.00	2.80	1.20	24,500	49.50		41.0		1.45		30.0		47.0	25.0	5,000
1986	39.0	23.3	400	2.52	52.0	27.9	1,000	1.60	2.34	1.30	28,600	54.00	69.0	30.0	100	1.35		22.0		41.0	24.1	3,000
1985		12.8		3.45	28.0	10.8	2,200	2.02	2.41	0.37	24,500	84.50	72.0	16.0	200	1.50		8.7		65.0	8.9	4,800
1984	36.0	17.4	100	3.52	56.0	18.1	1,400	2.39	2.15	0.65	23,800	78.00	56.0	25.0	100	1.77		16.0		66.0	14.9	5,200
1983	65.0	22.0	100	3.67	47.0	24.8	2,000	2.40	2.43	0.78	26,500	63.00	60.0	30.0	200	1.55				45.0	23.0	3,000
1982	40.0	25.0	100	3.65	52.0	36.6	2,800	2.08	2.72	1.44	39,200	52.50	75.0	43.8	600	1.50		20.0		50.0	29.8	10,000
1981	40.0	23.9	100	3.68	56.0	24.5	2,300	2.32	2.85	1.29	33,000	48.50	59.0	32.0	400	1.89	42.0	16.0	600	44.0	17.5	9,300
1980	40.0	11.5	100	4.22	41.0	16.4	3,000	2.83	2.78	0.77	22,500	62.50	53.0	30.0	200	1.96	43.0	11.0	900	44.0	14.9	5,500
1979	40.0	15.9	100	3.43	58.0	21.4	1,400	1.88	3.14	1.26	19,400	55.70	46.0	37.0	600	1.26		17.2		40.0	17.7	3,000
1978	49.0	30.0	300	2.67	60.0	40.8	2,200	1.53	2.67	1.54	26,600	42.91	60.0	52.0	1,000	1.09		26.0		37.0	28.0	2,000
1977		22.0		2.41	46.0	29.7	2,000	1.57	2.47	1.30	24,300	62.16	40.0	35.0	800	1.16	43.0	15.0	100	48.0	21.5	2,700
1976		27.0		2.53	44.0	41.2	400	1.90	2.59	1.54	24,400	51.67	50.0	40.0	800	1.31	35.0	27.0	100	37.0	28.0	3,100
1975	38.0	31.4	100	3.82	52.0	31.0	300	2.05	2.45	1.02	23,000	46.12	64.0	31.5	1,100	1.35		23.9		40.0	21.7	1,000
1974	33.0	27.7	100	4.45	36.0	28.0	700	2.59	2.69	1.26	22,300	49.05	47.0	34.0	700	1.56	29.0	19.7	100	29.0	20.1	1,200
1973	35.0	33.0	100	4.13	45.0	37.0	1,200	2.07	3.11	1.18	28,900	49.86	40.0	31.0	900	1.08	40.0	25.0	100	38.0	24.0	2,000
1972	34.0	31.0	400	1.84	47.0	42.5	1,000	1.12	2.96	1.46	17,000	27.73	50.0	49.0	1,100	0.64	36.0	35.0	200	31.0	29.5	3,000
1971	34.0	21.0	200	1.20	31.0	26.0	2,000	0.80	2.29	0.90	20,700	30.32	45.3	29.0	600	1.06	44.0	22.0	300	28.0	19.0	3,000
1970	35.0	24.5	100	1.34	39.0	30.1	1,400	0.71	2.44	0.97	23,900	20.89	54.0	37.0	1,200	0.49	35.0	20.2	100	31.0	21.9	2,300
1969	36.0	26.8	200	1.28	40.7	37.3	1,100	0.66	2.35	1.13	26,500	24.60	60.0	51.0	1,300	0.50	40.0	24.9	200	33.0	26.4	2,000
1968	31.0	24.7	100	1.31	30.0	28.0	1,800	0.71	2.34	0.96	21,300	23.73	52.0	29.0	1,000	0.55	35.0	17.7	200	36.0	19.4	2,900
1967	30.0	25.0	200	1.45	39.0	22.0	1,500	0.81	2.45	0.87	22,000	23.14	36.0	23.0	500	0.56	36.0	13.0	300	23.0	15.5	3,200
1966	38.0	25.0	100	1.55	46.0	32.0	1,800	0.84	2.20	1.00	23,800	21.75	52.0	37.0	1,000	0.51	28.0	21.0	200	28.0	22.0	2,900
1965	40.0	14.9	200	1.30	45.0	34.5	1,800	0.79	2.27	1.35	24,700	19.73	54.0	31.3	1,000	0.48	38.0	27.0	200	24.0	22.5	3,700
1964	31.0	25.4	300	1.27	38.0	33.9	1,500	0.74	2.25	1.03	20,100	21.89	50.0	40.0	1,300	0.50	42.0	23.1	600	29.0	19.9	6,300
1963	40.0	35.0	100	1.83	42.0	37.0	1,700	0.63	2.23	1.20	20,900	15.75	49.0	43.0	1,200	0.44	38.0	24.0	500	30.0	26.0	2,900
1962	25.0	15.0	200	2.04	27.0	26.0	1,600	0.64	1.71	0.87	18,400	16.88	32.0	28.0	1,400	0.46	25.0	20.0	900	28.0	22.0	2,200
1961		10.0		1.98	23.0	7.5	1,800	0.79	2.02	0.46	17,100	22.03	43.0	8.0	1,000	0.53	28.0	7.0	500	23.0	6.0	3,300
1960		18.0		1.71	25.0	20.6	1,800	0.59	2.09	0.81	18,000	21.92	36.0	24.0	1,900	0.47	34.0	14.0	700	23.0	19.0	2,800
1959		11.0		1.76	24.0	17.0	2,100	0.62	1.70	0.72	15,700	26.01	42.0	19.0	800	0.51	36.0	10.0	300	22.0	11.0	4,100
1958		13.0		1.77	30.0	16.0	1,600	0.68	1.93	0.50	20,600	22.50	45.0	16.0	1,000	0.47		9.0		22.0	11.0	3,700
1957		21.0		2.00	31.0	20.0	1,300	0.69	1.98	0.72	16,900	21.36	32.0	26.0	900	0.47	24.0	13.0	800	21.0	15.0	2,700
1956	50.0	20.0	300	1.97	26.0	19.0	1,000	0.84	1.69	0.73	13,300	23.50	39.0	21.0	1,300	0.51	25.0	14.0	2,400	21.0	14.0	3,900
1955		26.0		2.01	27.0	24.0	600	0.75	2.05	0.91	8,800	19.85	42.0	29.0	500	0.47				24.0	18.5	2,400
1954		13.0		2.65	29.0	15.0	1,700	0.91	1.63	0.82	14,200	18.42	38.0	18.0	1,700	0.58	33.0	16.0	700	19.0	12.0	5,200
1953	24.0	20.0	100	2.02	25.0	25.0	700	0.98	1.60	0.95	15,700	16.79	39.0	33.0	2,200	0.64				21.0	19.0	5,100
1952		9.0		2.02	32.0	20.0	700	1.15	1.16	0.79	20,400	27.91	48.0	32.0	3,200	0.78				23.0	12.0	5,300
1951	25.0	15.0	100	2.18	26.0	14.0	1,000	0.97	1.41	0.66	19,000	29.00	46.0	23.0	3,200	0.72				23.0	12.5	6,500
1950	20.0	8.0	100	1.89	29.0	26.0	2,200	0.93	1.48	0.80	15,200	21.20	37.5	35.0	2,000	0.62				24.0	17.0	4,700
1949		5.0		1.86	34.0	7.9	1,400	0.80	1.17	0.50	28,400	27.36	43.0	16.0	2,200	0.76				23.0	7.5	5,300
1948		14.2		1.88	33.0	21.0	1,300	0.91	1.77	0.91	13,500	20.44	49.0	26.0	1,600	0.60				29.0	17.3	3,900
1947		13.7		2.37	31.0	21.0	1,200	1.41				17.40				0.96						
1946				1.85	28.0	13.0	1,200	1.18				17.50				0.75						
1945				1.44	31.0	21.0	1,200	0.93				12.70	36.0	20.0	1,300	0.61				19.0	12.0	1,300

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-A (continued)
CROP INFORMATION BY COUNTY
1945-1987
YELLOWSTONE

	Winter Wheat				Barley				Hay				Oats				Durum Wheat[1]			Spring Wheat[1]		
Year	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	All Wheat Price Per Bushel $[1]	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Barley Irrig Acres	Price Per Bushel $	Irrig Yield (Ton/ Ac)	Non Irrig Yield (Ton/ Ac)	Irrig Acres	Price Per Ton $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Price Per Bushel $	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres	Irrig Yield (Bu/ Ac)	Non Irrig Yield (Bu/ Ac)	Irrig Acres
1987	68.0	36.0	1,600	2.69	78.0	36.0	11,500	2.00	3.40	1.10	21,000	49.50	79.0	50.0	700	1.45				63.0	27.0	2,000
1986	64.0	33.7	700	2.52	80.0	25.6	10,500	1.60	3.24	1.20	24,800	54.00	75.0	36.0	900	1.35				58.0	24.4	1,300
1985	52.0	14.1	2,800	3.45	82.5	17.4	14,000	2.02	2.71	1.13	29,700	84.50	84.0	16.0	400	1.5				71.0	8.7	1,200
1984	59.0	26.5	1,200	3.52	78.0	25.8	10,000	2.39	2.62	1.42	35,500	78.00	81.0	28.0	400	1.77				62.0	16.8	2,600
1983	49.0	31.0	1,600	3.67	82.0	39.0	6,500	2.40	2.80	1.25	27,200	63.00	82.0	35.0	900	1.55		32.0		76.0	30.0	2,500
1982	37.5	33.0	2,200	3.65	73.0	39.8	8,000	2.08	2.72	1.41	39,800	52.50	72.0	63.6	1,100	1.5		25.0		50.0	30.6	300
1981	49.0	37.7	1,000	3.68	74.0	38.0	10,400	2.32	3.00	1.25	37,000	48.50	80.0	39.0	900	1.89	54.0		100.0	56.0	23.9	2,400
1980	60.0	26.0	1,700	4.22	63.0	31.0	10,000	2.83	2.76	1.24	35,000	62.50	60.0	40.0	1,400	1.96		18.0		62.0	30.5	2,400
1979	50.0	24.7	1,100	3.49	68.0	31.7	11,100	2.19	2.85	0.98	26,400	55.39	70.0	49.0	1,800	1.58		21.0		54.0	22.0	1,900
1978	56.0	30.5	1,000	2.65	65.0	28.1	12,600	1.73	2.48	1.38	24,500	45.33	65.0	42.0	1,300	1.50		25.0		54.0	31.0	2,000
1977	41.0	29.0	800	2.25	65.0	31.2	10,800	1.75	3.48	1.05	18,100	54.27	77.5	21.4	800	1.32				52.0	42.0	2,800
1976	48.0	28.5	1,400	2.22	68.0	42.5	10,400	2.07	3.00	1.03	22,800	49.95	68.0	52.0	1,000	1.52	38.0	25.0	100.0	50.0	33.5	2,300
1975	81.0	33.2	1,400	3.16	65.0	29.5	10,100	2.30	2.98	1.25	14,600	45.21	62.0	54.1	1,200	1.65	30.0	10.0	100.0	51.0	15.2	1,700
1974	70.0	34.4	1,000	3.92	72.0	35.0	5,100	2.61	3.32	1.07	16,900	47.65	57.0	30.0	2,900	1.78	60.0	20.0	100.0	60.0	17.2	3,200
1973	65.0	25.0	1,000	4.26	68.0	29.0	3,800	2.24	3.48	0.88	19,000	58.02	71.0	27.0	2,000	1.31	48.0	21.0	100.0	51.0	17.0	2,100
1972	60.0	30.0	1,200	1.83	69.0	31.5	3,500	1.23	3.34	1.16	17,800	32.66	73.0	24.0	1,600	0.84	36.0	30.0	100.0	46.0	23.0	1,800
1971	41.0	30.0	800	1.13	52.0	39.0	3,000	0.95	3.50	1.14	15,700	26.47	67.0	39.0	1,200	0.66		21.0		37.5	29.0	3,400
1970	50.0	25.9	1,000	1.23	58.0	23.2	4,900	0.86	2.97	1.18	18,000	23.34	66.0	30.0	900	0.69				44.0	22.2	3,700
1969	52.0	23.9	1,200	1.13	59.6	43.6	7,400	0.85	2.97	1.24	21,800	24.67	61.0	45.0	2,800	0.68				39.0	25.9	4,300
1968	52.0	27.9	2,400	1.08	56.0	48.0	5,000	1.00	2.75	1.27	23,800	20.72	58.0	30.0	2,400	0.83	37.0	20.0	300.0	41.0	19.9	4,000
1967	55.0	35.0	1,500	1.30	58.0	36.0	6,900	0.96	3.08	1.25	23,700	21.53	65.0	30.0	1,900	0.69	43.0	21.0	600.0	45.0	26.0	4,900
1966	48.0	26.0	2,400	1.46	51.0	30.0	7,200	1.00	2.94	0.98	23,500	29.02	66.0	32.0	2,700	0.67	32.0	24.0	400.0	40.0	30.0	3,200
1965	35.0	28.9	3,300	1.15	45.0	34.0	6,500	0.95	2.49	1.08	22,100	24.91	58.5	37.0	3,200	0.64	36.0		400.0	33.0	12.0	3,500
1964	34.0	28.1	3,400	1.21	54.0	27.3	7,000	0.87	2.85	1.18	21,500	22.72	65.0	38.0	3,600	0.64	38.0		300.0	42.5	19.9	4,600
1963	39.0	33.0	2,300	1.72	48.0	35.0	7,200	0.81	2.95	1.09	22,500	16.52	62.0	32.0	5,300	0.60	40.0		400.0	42.0	20.0	4,900
1962	54.0	30.0	1,900	1.88	53.0	38.0	9,000	0.83	2.79	1.05	22,100	18.51	65.0	37.0	5,100	0.67	40.0	30.0	600.0	40.0	30.0	5,500
1961	38.0	16.0	2,000	1.77	58.0	15.0	8,100	0.96	2.97	0.96	21,600	27.01	65.0	20.0	3,900	0.69	36.0	10.0	800.0	36.0	11.0	4,100
1960	40.0	14.0	2,300	1.56	32.0	22.4	6,700	0.83	2.78	0.91	19,800	27.44	62.0	23.0	5,000	0.68	36.0		1,000.0	36.0	17.0	4,000
1959	44.0	22.0	2,000	1.55	49.0	26.5	7,700	0.86	2.76	0.83	21,700	24.96	55.0	25.0	4,200	0.65	35.0		800.0	35.0	11.0	6,000
1958	30.0	25.5	2,100	1.47	40.0	39.0	5,300	0.78	2.65	0.95	26,100	15.00	51.0	30.0	4,900	0.59	37.0	20.0	800.0	31.0	18.0	4,300
1957	42.0	29.0	2,000	1.79	51.0	33.0	8,800	0.84	2.90	0.85	25,800	16.22	61.0	35.0	5,100	0.60	26.0	32.0	400.0	40.0	22.0	5,400
1956	45.0	19.0	2,100	1.78	45.0	26.0	5,600	0.90	2.85	0.67	25,700	22.10	60.0	22.0	5,600	0.64	31.0		1,500.0	37.0	16.0	6,500
1955	32.0	22.0	2,000	1.81	36.0	26.0	5,000	0.88	2.77	0.67	25,300	19.71	51.0	29.0	5,400	0.63				32.0	16.0	7,300
1954	35.0	19.0	3,100	1.99	42.0	19.0	5,300	1.16	2.46	0.96	27,200	19.97	49.0	18.0	5,000	0.73	29.0	10.0		32.0	16.0	5,300
1953	30.0	17.5	3,800	1.72	40.0	19.0	6,300	1.10	2.20	0.70	22,300	17.34	50.0	14.0	6,000	0.72			700.0	32.0	11.0	9,900
1952	38.0	19.0	4,200	1.88	41.0	19.0	7,400	1.23	2.21	0.71	20,900	27.14	53.0	22.0	7,000	0.91				32.0	12.0	11,800
1951	27.0	20.5	1,300	1.57	44.0	27.0	5,300	1.07	1.95	0.75	23,400	31.40	51.0	25.0	7,700	0.81				33.0	13.5	8,700
1950	27.0	21.0	1,200	1.85	40.0	24.0	9,000	0.97	1.92	0.80	27,500	25.00	55.0	27.5	8,700	0.65				34.0	16.5	5,000
1949	26.0	12.5	2,000	1.86	35.0	15.7	7,300	0.97	2.06	0.63	27,500	25.37	47.0	16.0	5,700	0.62				29.0	9.5	13,700
1948	27.0	20.5	2,200	1.88	37.0	25.0	7,300	1.00	2.11	0.93	29,500	23.03	40.0	22.0	8,000	0.70				29.0	11.0	11,200
1947				2.37	39.0	22.0	6,600	1.41				17.40				0.96						
1946				1.85	36.0	28.0	8,200	1.18				17.50				0.75						
1945	33.0	19.1	2,100	1.44	35.2	21.6	8,300	0.93				12.70	46.0	21.0	11,000	0.61						8,800

[1] The all wheat price is used in calculations for winter, durum, and spring wheat.

TABLE 8-B
CROPLAND VALUATION: COUNTY SUMMARY
TOTAL PICK-SLOAN IRRIGATION COMMITMENT

County	Full Acres Direct Benefit (1989 $)	Full Acres Direct Benefit with Interest (1989 $)	Suppl. Acres Direct Benefit (1989 $)	Suppl. Acres Direct Benefit with Interest (1989 $)	Total Indirect Benefit (1989 $)	Total Indirect Benefit with Interest (1989 $)
Beaverhead	35,472,148	95,814,790	10,541,317	26,804,239	110,712,998	295,033,646
Big Horn	130,969,824	344,919,541	5,444,452	14,605,300	328,226,389	865,052,720
Broadwater	16,859,109	43,521,070	0	0	40,564,702	104,716,047
Carbon	3,058,269	7,704,607	0	0	7,358,501	18,538,055
Carter	10,038,651	28,462,783	0	0	24,153,998	68,484,302
Cascade	41,615,955	109,635,682	0	0	100,132,149	263,794,414
Choteau	239,652,165	767,351,055	0	0	576,627,074	1,846,323,373
Custer	9,242,962	26,407,462	0	0	22,239,491	63,538,994
Dawson	45,274,458	135,093,169	0	0	108,934,873	325,047,674
Fergus	4,900,741	12,798,455	0	0	11,791,673	30,794,363
Gallatin	309,581,362	870,615,297	80,874,632	225,230,943	939,476,167	2,636,715,638
Jefferson	12,505,176	34,068,482	2,920,312	7,232,397	37,115,267	99,374,045
Judith Basin	5,012,349	12,498,272	2,514,646	6,584,314	18,110,703	45,914,610
Lewis & Clark	40,851,437	130,711,439	7,614,915	21,838,987	116,614,890	367,051,580
Madison	5,360,027	12,675,995	2,763,425	6,704,367	19,545,838	46,631,089
McCone	33,353,589	94,760,377	0	0	80,252,070	228,002,943
Meagher	5,315,720	15,694,677	0	0	12,790,154	37,762,962
Park	0	0	4,124,042	14,014,598	9,922,857	33,720,524
Phillips	15,917,823	48,945,335	0	0	38,299,874	117,767,371
Powder River	2,477,802	7,625,393	0	0	5,961,839	18,347,458
Prairie	25,147,077	77,130,718	0	0	60,506,382	185,584,221
Richland	50,506,935	138,070,954	0	0	121,524,736	332,212,522
Roosevelt	235,924,402	654,031,488	0	0	567,657,704	1,573,665,163
Rosebud	117,575,864	322,181,465	0	0	282,899,286	775,200,823
Sheridan	69,686,689	175,859,129	0	0	167,673,142	423,134,650
Sweetgrass	2,124,213	5,178,361	4,730,610	11,532,179	16,493,390	40,207,230
Teton	156,889,785	447,598,539	78,110	222,844	377,680,452	1,077,503,030
Treasure	68,886,747	175,426,759	0	0	165,748,402	422,094,325
Valley	146,115,067	419,176,404	0	0	351,567,463	1,008,580,346
Yellowstone	39,657,513	119,512,696	0	0	95,419,942	287,559,498
Total	1,879,973,859	5,333,470,394	121,606,461	334,770,168	4,816,002,408	13,638,353,616

TABLE 8-C
CROPLAND VALUATION: COUNTY SUMMARY
COMPLETED IRRIGATION PROJECTS

County	Full Acres Direct Benefit (1989 $)	Full Acres Direct Benefit with Interest (1989 $)	Suppl. Acres Direct Benefit (1989 $)	Suppl. Acres Direct Benefit with Interest (1989 $)	Total Indirect Benefit (1989 $)	Total Indirect Benefit with Interest (1989 $)
Beaverhead	24,622,511	68,302,086	8,630,318	21,944,991	80,009,632	217,143,492
Dawson	6,307,385	23,460,543	0	0	15,176,199	56,448,413
Gallatin	55,139,897	162,011,262	0	0	132,672,106	389,815,297
Lewis & Clark	37,635,153	121,819,418	601,854	1,948,112	92,002,063	297,797,054
Total	123,704,946	375,593,309	9,232,172	23,893,103	319,860,000	961,204,256

TABLE 9
PASTURE LAND LOSS VALUATION: INUNDATION DUE TO RESERVOIR COMPLETION

		Canyon Ferry[2]				East Bench[3]				Tiber[4]			
Year	Non-irrigated Rent Value[1]($)	Pasture Acres Inundated	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)	Pasture Acres Inundated	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)	Pasture Acres Inundated	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)
1989	5.00	23,265	116,325	116,325	116,325	3,245	16,225	16,225	16,225	16,000	80,000	80,000	80,000
1988	4.20	23,265	97,713	102,821	110,152	3,245	13,629	14,341	15,364	16,000	67,200	70,713	75,755
1987	5.20	23,265	120,978	130,464	148,599	3,245	16,874	18,197	20,727	16,000	83,200	89,724	102,196
1986	4.80	23,265	111,672	122,966	148,575	3,245	15,576	17,151	20,723	16,000	76,800	84,567	102,179
1985	6.00	23,265	139,590	151,487	197,330	3,245	19,470	21,129	27,524	16,000	96,000	104,182	135,710
1984	4.20	23,265	97,713	107,040	153,265	3,245	13,629	14,930	21,377	16,000	67,200	73,615	105,404
1983[5]	4.41	23,265	102,482	114,594	178,519	3,245	14,294	15,984	24,900	16,000	70,480	78,809	122,773
1982[5]	4.41	23,265	102,482	116,457	201,506	3,245	14,294	16,243	28,106	16,000	70,480	80,091	138,581
1981	4.61	23,265	107,252	126,874	248,376	3,245	14,959	17,696	34,643	16,000	73,760	87,255	170,815
1980	2.99	23,265	69,562	89,799	194,939	3,245	9,703	12,525	27,190	16,000	47,840	61,757	134,065
1979	3.60	23,265	83,754	122,681	292,287	3,245	11,682	17,111	40,768	16,000	57,600	84,371	201,014
1978	5.38	23,265	125,166	203,821	523,191	3,245	17,458	28,429	72,975	16,000	86,080	140,173	359,813
1977	5.23	23,265	121,676	213,763	580,041	3,245	16,971	29,816	80,904	16,000	83,680	147,011	398,911
1976	4.48	23,265	104,227	194,834	557,861	3,245	14,538	27,175	77,810	16,000	71,680	133,993	383,657
1975	3.10	23,265	72,122	140,801	428,468	3,245	10,060	19,639	59,763	16,000	49,600	96,833	294,670
1974	3.41	23,265	79,334	171,379	561,728	3,245	11,065	23,904	78,350	16,000	54,560	117,862	386,317
1973	2.04	23,265	47,461	118,274	414,842	3,245	6,620	16,497	57,862	16,000	32,640	81,340	285,299
1972	2.04	23,265	47,461	129,007	474,070	3,245	6,620	17,994	66,123	16,000	32,640	88,721	326,031
1971	1.74	23,265	40,481	113,577	436,861	3,245	5,646	15,842	60,933	16,000	27,840	78,110	300,442
1970	1.50	23,265	34,898	100,925	413,352	3,245	4,868	14,077	57,654	16,000	24,000	69,409	284,274
1969[6]	1.50	23,265	34,898	104,375	457,663	3,245	4,868	14,558	63,835	16,000	24,000	71,782	314,748
1968	1.50	23,265	34,898	108,341	501,749	3,245	4,868	15,111	69,984	16,000	24,000	74,509	345,067
1967	1.50	23,265	34,898	111,394	540,860	3,245	4,868	15,537	75,439	16,000	24,000	76,609	371,965
1966	1.50	23,265	34,898	112,663	575,302	3,245	4,868	15,714	80,243	16,000	24,000	77,482	395,652
1965	1.50	23,265	34,898	116,312	618,046	3,245	4,868	16,223	86,205	16,000	24,000	79,991	425,048
1964	1.50	23,265	34,898	118,374	652,654					16,000	24,000	81,409	448,849
1963	1.50	23,265	34,898	118,731	676,094					16,000	24,000	81,655	464,969
1962	1.50	23,265	34,898	118,374	694,418					16,000	24,000	81,409	477,571

TABLE 9 (continued)
PASTURE LAND LOSS VALUATION: INUNDATION DUE TO RESERVOIR COMPLETION

Year	Non-irrigated Rent Value[1] ($)	Canyon Ferry[2]				East Bench[3]				Tiber[4]			
		Pasture Acres Inundated	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)	Pasture Acres Inundated	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)	Pasture Acres Inundated	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)
1961	1.50	23,265	34,898	118,731	716,780					16,000	24,000	81,655	492,950
1960	1.50	23,265	34,898	118,731	742,226					16,000	24,000	81,655	510,450
1959	1.50	23,265	34,898	119,802	779,700					16,000	24,000	82,391	536,222
1958	1.50	23,265	34,898	119,445	793,624					16,000	24,000	82,145	545,798
1957	1.50	23,265	34,898	122,022	839,370					16,000	24,000	83,918	577,259
1956	1.50	23,265	34,898	126,702	896,225								
1955	1.50	23,265	34,898	130,033	937,171								

[1] "Agricultural Resources: Agricultural Land Values," U.S. Department of Agricultural and direct contract with Economic Research Service.

[2] "Report on Canyon Ferry Unit - Montana," Bureau of Reclamation; Project completed 1954.

[3] "Definite Plan Report - East Bench Unit;" Project completed, 1964.

[4] "Definite Plan Report - Lower Marias Unit;" Project completed 1956.

[5] Since data was not available for 1982 and 1983, an average of 1984 and 1981 rental rates was used.

[6] The 1970 rental rate was used in calculations since a rate was unavailable for 1955-69.

TABLE 10
PASTURE LAND GAIN VALUATION:
INUNDATION DUE TO RESERVOIRS PLANNED BUT NOT COMPLETED

Year	Pasture Acres Inundated[1]	Non-irrigated Rent Value[2] ($)	Direct Benefit Pasture Loss ($)	Direct Benefit Pasture Loss (1989 $)	Direct Benefit Pasture Loss with Interest (1989 $)
1989	11,869	5.00	59,345	59,345	59,345
1988	11,869	4.20	49,850	52,456	56,196
1987	11,869	5.20	61,719	66,558	75,810
1986	11,869	4.80	56,971	62,733	75,798
1985	11,869	6.00	71,214	77,283	100,671
1984	11,869	4.20	49,850	54,608	78,190
1983[3]	11,869	4.41	52,283	58,462	91,074
1982[3]	11,869	4.41	52,283	59,412	102,801
1981	11,869	4.61	54,716	64,727	126,713
1980	11,869	2.99	35,488	45,812	99,451
1979	11,869	3.60	42,728	62,587	149,115
1978	11,869	5.38	63,855	103,982	266,914
1977	11,869	5.23	62,075	109,054	295,917
1976	11,869	4.48	53,173	99,397	284,602
1975	11,869	3.10	36,794	71,832	218,590
1974	11,869	3.41	40,473	87,432	286,574
1973	11,869	2.04	24,213	60,339	211,638
1972	11,869	2.04	24,213	65,815	241,854
1971	11,869	1.74	20,652	57,943	222,872
1970	11,869	1.50	17,804	51,489	210,878
1969[4]	11,644	1.50	17,466	52,239	229,058
1968[4]	11,644	1.50	17,466	54,224	251,123
1967[4]	11,644	1.50	17,466	55,752	270,697
1966[4]	11,644	1.50	17,466	56,387	287,936

[1] See Appendix Table 5, column 4.

[2] "Agricultural Resources: Agricultural Land Values", U.S. Department of Agriculture, April, 1990; direct contact with Editor of publication.

[3] Data was not available for 1982 and 1983. An average of 1984 and 1981 rental rates resulted in a rate for 1982 and 1983.

[4] The 1970 rental rate was used in calculations since 1955-69 were unavailable.

TABLE 11 (continued)
WILDLIFE VALUATION:
IMPACTS FOR COMPLETED PROJECTS

Year	Canyon Ferry - 1989 ($)[1]		Yellowtail - 1989 ($)[2]		Tiber - 1989 ($)[3]		East Bench - 1989 ($)[4]		Helena Valley - 1989($)[5]	
	Annual Direct Benefit	Direct Benefit with Interest	Annual Direct Benefit	Direct Benefit with Interest	Annual Direct Benefit	Direct Benefit with Interest	Annual Direct Loss	Direct Loss with Interest	Annual Direct Benefit	Direct Benefit with Interest
1961	81,927	494,596			133,934	808,563			24,300	146,700
1960	81,927	512,154			133,934	837,267			24,300	151,907
1959	81,927	533,204			133,934	871,678			24,300	158,151
1958	81,927	544,348			133,934	889,896				
1957	81,927	563,563			133,934	921,310				
1956	81,927	579,512								
1955	81,927	590,465								

[1] Canyon Ferry 1946 Base Year - $14,995 - Annual Gain of Wildlife per Year, U.S. Fish & Wildlife Servide, Depart of the Interior, "Report on the Fish & Wildlife Problems in Relation to the Water Developments Plan," April 1946. Annual Benefit = $14,995 x (4.808/.88)

[2] Yellowtail 1949 Base Year - $57,380 - Annual Gain, U.S. Bureau of Reclamation, "Report on Economic and Financial Data on the Hardin/Yellowtail Units, Definite Plan Report Supporting Data," page 43. Annual Benefit = $57,380 x (3.802/.88)

[3] Tiber 1949 Base Year - $31,000 - U.S. Bureau of Reclamation Definite Plan Volume, General Plan Report on Lower Marias Unit," 1949, page 133. Annual Benefit = $31,000 x (3.802/.88)

[4] East Bench 1954 Base Year Estimate - ($268,300) - Annual Loss, U.S. Fish & Wildlife Service, Department of the Interior, "A Detailed Report on Fish & Wildlife Resources for the East Bench Unit," page 43. Annual Loss = ($268,300) x (3.289/.88)

[5] Helena Valley 1953 Base Year - $6,480 - Annual Gain, "Definite Plan Report Appendices," Bureau of Reclamation for the Helena Valley Unit, page G-11. Annual Benefit = $6,480 x (3.3/.88)

TABLE 12
FORESTRY LOSS VALUATION: INUNDATION DUE TO PROJECT COMPLETION

Year	Canyon Ferry - 1989 ($)(1)(3)		Tiber -1989 ($)(2)(3)	
	Annual Direct Loss	Direct Loss with Interest	Annual Direct Loss	Direct Loss with Interest
1989	515,451	515,451	98,500	98,500
1988	515,451	552,202	98,500	105,523
1987	515,451	587,101	98,500	112,192
1986	515,451	622,797	98,500	119,013
1985	515,451	671,438	98,500	128,308
1984	515,451	738,044	98,500	141,037
1983	515,451	802,992	98,500	153,448
1982	515,451	891,883	98,500	170,434
1981	515,451	1,009,077	98,500	192,829
1980	515,451	1,118,965	98,500	213,829
1979	515,451	1,228,064	98,500	234,677
1978	515,451	1,323,116	98,500	252,841
1977	515,451	1,398,666	98,500	267,278
1976	515,451	1,475,873	98,500	282,032
1975	515,451	1,568,557	98,500	299,743
1974	515,451	1,689,493	98,500	322,854
1973	515,451	1,807,927	98,500	345,486
1972	515,451	1,894,165	98,500	361,965
1971	515,451	1,982,622	98,500	378,869
1970	515,451	2,111,096	98,500	403,420
1969	515,451	2,260,140	98,500	431,901
1968	515,451	2,387,160	98,500	456,174
1967	515,451	2,502,698	98,500	478,253
1966	515,451	2,632,088	98,500	502,979
1965	515,451	2,738,950	98,500	523,400
1964	515,451	2,841,935	98,500	543,079
1963	515,451	2,935,150	98,500	560,892
1962	515,451	3,023,792	98,500	577,831

TABLE 12 (continued)
FORESTRY LOSS VALUATION: INUNDATION DUE TO PROJECT COMPLETION

Year	Canyon Ferry - 1989 ($)(1)(3)		Tiber -1989 ($)(2)(3)	
	Annual Direct Loss	**Direct Loss with Interest**	**Annual Direct Loss**	**Direct Loss with Interest**
1961	515,451	3,111,784	98,500	594,646
1960	515,451	3,222,253	98,500	615,756
1959	515,451	3,354,687	98,500	641,064
1958	515,451	3,424,800	98,500	654,462
1957	515,451	3,545,695	192,048	1,321,065
1956	515,451	3,646,039		
1955	1,004,987	7,243,132		

[1] Canyon Ferry forested acres (5,233) obtained from U.S. Fish & Wildlife Department Report, "A Report on the Fish and Wildlife Problems in Relation to the Water Developments Plan for the Canyon Ferry Reservoir," 1946, Page 5. Project completed 1953-54, value of loss begun one year after project completion (1955). (Ex: 1956 Value in 1989 $ = 98.5 x 5,233 = 515,451; 1955 Value = (80.02 x 2.4 x 5,233) = 1,004,987)

[2] Tiber forested acres (1,000) obtained from the U.S. Bureau of Reclamation "Definite Plan Report on the Lower Marias unit." Project completed 1956; value of loss begun one year after project completion. Calculation procedure is the same as Canyon Ferry.

[3] The calculations determining forestry values are described in detail in the Forestry methodology section.

Note: Yellowtail, East Bench, and Helena Valley forestry loss values were negligible according to Bureau of Reclamation sources and the document "Helena Valley Unit - Montana, Definite Plan Report."

TABLE 13
FORESTRY GAIN VALUATION: INUNDATION DUE TO PROJECTS PLANNED BUT NOT COMPLETED

Year	Direct Annual Loss (1989 $)[1]	Direct Benefit with Interest (1989 $)
1989	1,994,133	1,994,133
1988	1,994,133	2,136,314
1987	1,994,133	2,271,329
1986	1,994,133	2,409,426
1985	1,994,133	2,597,602
1984	1,994,133	2,855,284
1983	1,994,133	3,106,549
1982	1,994,133	3,450,444
1981	1,994,133	3,903,833
1980	1,994,133	4,328,960
1979	1,994,133	4,751,034
1978	1,994,133	5,118,764
1977	1.994,133	5,411,045
1976	1,994,133	5,709,735
1975	1,994,133	6,068,306
1974	1,994,133	6,536,173
1973	1,994,133	6,994,358
1972	1,994,133	7,327,989
1971	1,994,133	7,670,206
1970	2,029,961	8,313,978
1969	1,956,407	8,578,424
1968	1,956,407	9,060,532
1967	1,956,407	9,499,061
1966	3,814,457	19,478,079

[1] See Appendix Table 5 for estimated acreage and forestry methodology for detail on calculation.
[1966-69 = 19,862 forested acres; 1970+ = 20,245 forested acres (383 of which began in 1970)]

TABLE 14
TAXABLE ACRES LOST DUE TO INUNDATION FROM COMPLETED PROJECTS BY COUNTY AND YEAR

Year	Counties (acres)[1]					
	Beaverhead	**Big Horn**	**Broadwater**	**Lewis & Clark**	**Liberty**	**Toole**
1988	9,013	12,853	32,544	19,037	26,655	17,909
1987	9,046	12,893	33,270	19,477	25,791	17,936
1986	9,842	12,899	34,115	19,828	26,320	18,316
1985	9,842	6,695	32,749	13,818	26,435	17,935
1984	9,056	6,695	32,535	13,818	26,433	17,945
1983	9,056	6,695	32,540	13,818	26,435	17,947
1982	9,056	6,695	32,540	13,818	26,435	17,947
1981	9,056	6,695	32,535	13,818	26,433	17,907
1980	9,056	6,695	32,535	13,820	25,312	17,907
1979	9,056	6,706	31,822	13,820	19,339	17,889
1978	9,016	6,706	31,791	18,193	18,215	16,586
1977	9,016	6,706	31,791	18,193	18,215	16,586
1976	9,016	6,706	31,791	18,193	18,215	16,586
1975	9,016	6,706	31,791	18,193	18,215	16,586
1974	9,016	6,706	31,791	18,193	18,215	16,586
1973	9,016	6,706	31,791	18,193	18,215	16,586
1972	9,016	6,706	31,791	18,193	18,215	16,586
1971	9,016	6,706	31,791	18,193	18,215	16,586
1970	9,016	6,706	31,791	18,193	18,215	16,586
1969	9,016	6,706	31,791	18,193	18,215	16,586
1968	9,016	6,706	31,791	18,193	18,215	16,586
1967	9,016	6,706	31,791	18,193	18,215	16,586
1966	9,016		31,791	18,193	18,215	16,586
1965	9,016		31,791	18,193	18,215	16,586
1964			31,791	18,193	18,215	16,586
1963			31,791	18,193	18,215	16,586
1962			31,791	18,193	18,215	16,586
1961			31,791	18,193	18,215	16,586
1960			31,791	18,193	18,215	16,586
1959			31,791	18,193	18,215	16,586
1958			31,791	18,193	18,215	16,586
1957			31,791	18,193	18,215	16,586
1956			31,791	18,193		
1955			31,791	18,193		

[1] Acres obtained from "Payment in Lieu of Taxes" documents, see Property Tax methodology for detail on calculations.

TABLE 15
AVERAGE TAXABLE VALUE PER ACRE ($) FOR NON-IRRIGATED LAND BY COUNTY

Years	Beaverhead	Bighorn	Broadwater	Dawson	Gallatin	Lewis & Clark	Liberty	Toole
1988	6.09	9.90	5.74	4.57	9.48	6.43	5.73	6.79
1987	6.09	9.90	5.75	4.56	9.49	6.44	5.74	6.75
1986	5.97	9.89	5.75	4.56	9.48	6.40	5.72	6.79
1985	6.00	9.89	5.71	4.61	9.90	6.43	6.01	6.79
1984	5.97	9.88	5.75	4.61	9.92	4.07	6.01	6.79
1983	5.97	9.88	5.74	4.61	9.91	6.43	6.02	6.78
1982	5.53	9.43	5.75	4.59	9.89	6.42	6.02	6.73
1981	6.22	9.38	5.82	4.63	9.88	6.42	6.06	6.78
1980	6.16	9.63	5.92	4.63	10.17	6.49	5.98	6.79
1979	6.08	10.57	5.48	4.64	9.97	6.33	5.96	6.77
1978	6.88	10.61	5.75	4.63	9.79	6.50	6.10	6.71
1977	3.82	5.92	5.86	2.85	8.65	6.50	4.12	4.79
1976	3.88	5.92	5.85	2.85	8.64	6.52	4.13	4.80
1975	3.82	5.93	5.84	2.85	8.75	6.53	4.13	4.79
1974	3.82	5.92	5.88	2.85	8.60	6.49	4.12	4.79
1973	3.82	5.95	5.88	2.85	6.13	5.00	4.13	4.80
1972	3.80	5.95	4.06	2.85	6.05	4.99	4.13	4.82
1971	3.91	5.94	4.07	2.85	6.17	4.62	4.12	4.81
1970	3.91	5.94	4.07	2.86	6.17	4.44	4.13	4.81
1969	3.91	6.00	4.05	2.87	6.17	4.40	4.13	4.81
1968	4.17	5.67	4.05	2.85	6.14	4.39	4.13	4.82
1967	3.80	5.93	4.05	2.87	6.20	4.43	4.12	3.92
1966	3.61	5.93	4.02	2.86	6.20	4.32	4.12	3.94
1965	3.69	5.87	4.02	2.74	6.23	4.06	4.12	3.92
1964		5.54	4.05	2.86	5.82	4.38	4.13	3.92
1963		5.64	3.90	2.39	5.86	4.37	4.73	4.77
1962			3.34	2.36	4.94	2.46	3.10	3.48
1961			3.36	2.56	4.91	2.47	3.09	3.49
1960			3.36	2.54	4.93	2.48	3.10	3.48
1959			3.37	2.54	5.06	2.45	3.11	3.49
1958			3.37	2.54	4.93	2.35	3.11	3.49
1957			3.37	2.54	4.79	2.51	3.03	1.75
1956			3.39	2.54	4.91	2.49	3.11	1.74
1955			2.70	2.55	5.05	2.53	3.12	1.74
1954				2.55				
1953				2.54				
1952				2.54				
1951				2.54				

TABLE 15 (continued)
AVERAGE TAXABLE VALUE PER ACRE ($) FOR NON-IRRIGATED LAND BY COUNTY

Years	Carbon	Carter	Cascade	Chouteau	Custer	Fergus	Jefferson	Judith Basin
1988	7.48	3.27	7.80	7.65	4.89	8.87	4.60	8.71
1987	7.47	3.32	7.85	7.66	4.89	8.68	4.60	8.70
1986	7.47	3.38	7.84	7.66	4.83	8.88	4.60	8.50
1985	7.42	3.32	7.84	7.62	4.81	8.88	4.60	7.98
1984	7.44	3.38	7.83	7.62	4.90	8.92	4.68	8.28
1983	7.69	3.29	7.88	7.60	4.90	8.97	4.68	8.46
1982	7.72	3.38	7.82	7.62	4.85	8.99	4.68	8.61
1981	7.73	3.28	7.81	7.62	4.92	9.00	4.69	8.63
1980	7.73	3.35	7.82	7.71	4.90	9.10	4.68	8.76
1979	7.74	3.11	7.82	7.76	4.76	9.11	4.90	8.66
1978	7.74	3.35	8.39	7.63	5.30	9.09	4.93	8.77
1977	6.32	2.26	7.85	7.37	2.61	6.50	5.27	5.70
1976	6.24	2.25	7.85	7.37	2.61	6.51	5.58	5.78
1975	6.22	2.09	7.85	7.37	2.63	6.49	5.65	5.66
1974	6.26	2.24	7.82	7.47	2.95	6.53	5.64	5.94
1973	6.15	2.22	7.82	7.43	2.66	6.49	5.77	5.93
1972	5.99	2.24	5.82	7.52	2.66	6.56	5.78	5.95
1971	5.96	2.24	5.82	5.15	2.66	6.50	5.78	5.95
1970	6.09	2.24	5.82	5.15	2.66	4.62	5.80	5.91
1969		2.24	5.81	5.22	2.65	4.62	2.96	5.90
1968		2.24	5.81	5.26	2.70	4.40	2.31	5.93
1967		2.20	5.80	5.26	2.68	4.59	2.95	5.92
1966		2.24	5.81	5.28	2.65	4.62	2.90	5.75
1965		2.25	5.79	5.29	2.75	4.61	2.96	5.86
1964				5.27				5.91
1963				3.98				5.84
1962				4.03				4.47
1961				4.01				4.48
1960				4.01				4.48
1959				2.66				4.48

TABLE 15 (continued)
AVERAGE TAXABLE VALUE PER ACRE ($)
FOR NON-IRRIGATED LAND BY COUNTY

Years	Madison	Meagher	McCone	Park	Phillips	Powder	Prairie	Richland
1988	7.92	5.83	5.16	8.57	5.19	4.21	4.77	5.25
1987	7.92	5.81	5.09	7.94	5.45	4.21	4.77	5.27
1986	7.91	5.81	5.20	7.99	6.13	4.21	4.77	5.26
1985	7.89	5.83	5.21	8.02	5.12	4.21	4.77	5.21
1984	7.99	5.83	5.20	7.84	5.31	4.22	4.77	5.20
1983	7.15	5.85	5.17	7.65	5.23	4.22	5.06	5.23
1982	7.97	5.78	5.21	8.01	5.49	4.22	5.06	5.74
1981	7.98	5.78	5.21	8.02	5.48	4.22	5.03	5.34
1980	6.01	5.75	5.21	7.89	5.54	4.22	5.08	5.37
1979	8.18	5.80	5.22	7.96	4.80	4.22	4.94	5.35
1978	7.98	5.79	5.18	7.98	5.46	4.22	4.88	5.31
1977	4.60	4.56	2.68	5.59	3.50	3.86	2.76	3.37
1976	4.51	3.50	2.68	5.53	3.56	3.86	3.02	3.36
1975	4.55	4.47	2.68	5.52	3.55	3.86	2.97	3.37
1974	4.67	4.56	2.69	5.20	3.55	3.86	3.00	3.38
1973	4.60	4.69	2.68	5.21	3.54	3.86	2.97	3.38
1972	4.64	4.75	2.70	5.45	3.54	3.86	3.54	3.37
1971	4.48	4.74	2.70	5.17	3.54	3.86	3.54	3.37
1970	4.50	4.79	2.70	5.27	3.54	3.85	3.54	3.38
1969		4.61	2.70	5.42	3.57	3.86	3.57	3.38
1968		4.50	2.70	5.48	3.52	3.86	2.92	3.38
1967		4.59	2.70	5.48	3.55	3.86	2.98	3.38
1966		4.61	2.70	5.36	3.56	3.86	2.93	3.36
1965		4.64	2.70	5.34	3.55	3.86	2.99	3.38
1964				5.47				
1963				5.20				
1962				2.54				
1961				2.53				
1960				2.51				
1959				2.52				

TABLE 15 (continued)
AVERAGE TAXABLE VALUE PER ACRE ($)
FOR NON-IRRIGATED LAND BY COUNTY

Years	Roosevelt	Rosebud	Sheridan	Sweetgrass	Teton	Treasure	Valley	Yellowstone
1988	5.75	5.75	5.25	6.73	6.12	6.17	5.38	7.30
1987	5.76	5.76	5.26	6.73	6.12	6.18	5.33	7.32
1986	5.76	5.79	5.25	6.34	6.12	6.20	5.32	7.37
1985	5.77	5.75	5.25	5.39	6.11	5.02	5.38	7.30
1984	5.77	5.75	5.26	6.06	6.11	6.18	5.43	7.26
1983	5.77	5.71	5.26	6.28	6.11	6.20	5.44	7.26
1982	5.78	5.85	5.25	6.35	6.10	6.20	4.27	7.25
1981	5.77	5.33	5.22	6.28	6.10	6.15	5.45	7.20
1980	5.78	5.86	5.20	6.26	6.09	6.09	5.36	7.33
1979	5.77	5.30	5.66	6.31	6.12	6.13	5.43	7.13
1978	5.78	5.78	5.21	6.37	6.41	6.03	5.41	7.53
1977	3.56	3.95	3.47	3.83	6.07	4.69	3.56	5.69
1976	3.86	3.44	3.47	3.91	6.11	4.67	3.56	5.66
1975	3.86	3.51	3.47	3.94	7.32	4.44	3.47	5.50
1974	3.86	3.30	3.47	3.93	7.33	4.44	3.47	5.57
1973	3.86	3.56	3.47	3.83	6.86	4.44	3.40	5.63
1972	3.86	3.58	3.47	3.83	6.85	4.44	3.45	5.62
1971	3.86	3.59	3.47	3.86	6.72	4.41	3.45	5.64
1970	3.85	3.59	3.47	3.93	6.73	4.41	3.44	5.75
1969	3.86	3.57	3.45		6.73	4.40	3.43	5.69
1968	3.86	3.55	3.46		6.73	4.40	3.42	5.78
1967	3.86	3.66	3.47		6.72	4.40	3.43	5.78
1966	3.86	3.61	3.47		6.85	4.47	3.42	5.87
1965	3.49	3.61	3.46		6.84	4.45	3.40	5.91

TABLE 16
TAX MILL LEVY FOR RURAL LAND
BY COUNTY

Years	Beaverhead	Bighorn	Broadwater	Dawson[1]	Gallatin[2]	Lewis & Clark	Liberty	Toole
1988	0.28495	0.17349	0.22862	0.30946	0.28408	0.34278	0.19279	0.22895
1987	0.29579	0.14627	0.23216	0.32971	0.28657	0.34663	0.18308	0.19246
1986	0.29922	0.13378	0.22010	0.31585	0.28925	0.34432	0.17747	0.18730
1985	0.29006	0.10617	0.21899	0.30059	0.29582	0.33450	0.18649	0.18035
1984	0.27824	0.10574	0.20461	0.27450	0.29974	0.30876	0.15344	0.15138
1983	0.25089	0.11022	0.19560	0.28523	0.28803	0.29520	0.16708	0.19360
1982	0.22308	0.10541	0.19560	0.27563	0.30202	0.27411	0.14247	0.19356
1981	0.23171	0.10898	0.20134	0.28307	0.25745	0.26743	0.13596	0.19137
1980	0.20416	0.11217	0.19080	0.25597	0.25160	0.24244	0.14098	0.17317
1979	0.19453	0.10942	0.17529	0.23464	0.25552	0.23240	0.15147	0.19093
1978	0.18345	0.11904	0.15472	0.22679	0.22608	0.22671	0.15547	0.19328
1977	0.16894	0.11119	0.15722	0.23200	0.21897	0.23387	0.16519	0.18438
1976	0.17107	0.10534	0.15751	0.22284	0.21018	0.20842	0.15650	0.18983
1975	0.16332	0.12462	0.16913	0.21274	0.20027	0.20954	0.15703	0.16568
1974	0.15071	0.11804	0.13997	0.20080	0.19643	0.19696	0.16619	0.16719
1973	0.15926	0.15382	0.16183	0.19830	0.19953	0.21754	0.18175	0.19328
1972	0.16676	0.14921	0.15215	0.19923	0.19337	0.22093	0.15686	0.18818
1971	0.16190	0.15929	0.15399	0.19458	0.19236	0.20889	0.16051	0.17258
1970	0.17116	0.12158	0.14177	0.19129	0.19209	0.20056	0.15951	0.16496
1969	0.16084	0.10859	0.13174	0.16712	0.18049	0.20146	0.15174	0.16459
1968	0.14943	0.09968	0.12612	0.15640	0.17763	0.17632	0.14094	0.14354
1967	0.14133	0.10928	0.12926	0.15046	0.16780	0.18150	0.12133	0.14022
1966	0.11400	0.09171	0.11079	0.14100	0.15943	0.16463	0.11386	0.13055
1965	0.11833	0.09306	0.11113	0.13814	0.11096	0.15553	0.11222	0.13542
1964		0.09440	0.11147	0.12887	0.13818	0.14643	0.11058	0.14030
1963		0.10048	0.11720	0.14098	0.11478	0.15584	0.10951	0.13556
1962			0.09202	0.13854	0.13043	0.14642	0.11219	0.13659
1961			0.09913	0.12347	0.12904	0.13314	0.10610	0.13111
1960			0.10281	0.11676	0.12836	0.12950	0.10818	0.12856
1959			0.10649	0.11005	0.12767	0.12586	0.11025	0.12602
1958			0.10005	0.10207	0.12156	0.11651	0.10471	0.11084
1957			0.09635	0.09430	0.12364	0.11796	0.09438	0.12818
1956			0.09152	0.09853	0.11483	0.06402	0.09138	0.10943
1955			0.08669	0.10179	0.10416	0.01007	0.08838	0.09069
1954				0.10179				
1953				0.10179				
1952				0.10179				
1951				0.10179				

[1] According to the Dawson County Clerk & Recorder, mill levies were unavailable for 1951-54; the 1955 mill was used.

[2] According to the Gallatin County Clerk & Recorder, the mill levy was unavailable for 1960; values were interpolated between 1961 and 1959 years.

TABLE 16 (continued)
TAX MILL LEVY FOR RURAL LAND
BY COUNTY

Years	Carbon	Carter	Cascade	Chouteau	Custer	Fergus	Jefferson	Judith Basin
1988	0.23839	0.24114	0.35321	0.28957	0.45253	0.35463	0.28290	0.26304
1987	0.23762	0.29866	0.35819	0.27554	0.40526	0.31436	0.30546	0.24579
1986	0.25590	0.29254	0.35925	0.27657	0.38449	0.37378	0.35084	0.24553
1985	0.26083	0.22351	0.36343	0.26252	0.37760	0.36818	0.29430	0.24988
1984	0.22861	0.23473	0.39036	0.24205	0.38035	0.33821	0.21914	0.23755
1983	0.24160	0.25209	0.31169	0.24764	0.37593	0.26653	0.25950	0.22413
1982	0.20837	0.19571	0.29750	0.24223	0.33752	0.28864	0.24889	0.22178
1981	0.21025	0.21759	0.30354	0.22183	0.28891	0.24176	0.25019	0.20114
1980	0.19887	0.23028	0.26550	0.20145	0.28076	0.23804	0.23867	0.17654
1979	0.19328	0.22417	0.24757	0.19327	0.31098	0.23194	0.23274	0.17339
1978	0.19942	0.20068	0.23913	0.17845	0.23810	0.20820	0.23616	0.14597
1977	0.19062	0.17167	0.23921	0.17534	0.21813	0.19798	0.21793	0.15392
1976	0.18453	0.17328	0.22977	0.17410	0.21891	0.18226	0.23243	0.15475
1975	0.16616	0.17924	0.23261	0.17239	0.19881	0.18398	0.21369	0.15279
1974	0.15119	0.15882	0.20035	0.14677	0.18483	0.16265	0.19898	0.14312
1973	0.15682	0.16540	0.20013	0.15505	0.18227	0.17474	0.17206	0.15885
1972	0.15243	0.16642	0.19928	0.14650	0.17062	0.17004	0.14722	0.13085
1971	0.16671	0.14817	0.20225	0.16137	0.18779	0.16035	0.15046	0.13269
1970	0.15216	0.14715	0.20238	0.16961	0.16793	0.17119	0.15661	0.12590
1969		0.13136	0.18066	0.15632	0.14889	0.10868	0.13227	0.12544
1968		0.13010	0.17867	0.13722	0.15362	0.15097	0.13235	0.11179
1967		0.13304	0.17398	0.14235	0.13964	0.14962	0.14275	0.11168
1966		0.13232	0.16110	0.12824	0.10994	0.12918	0.12264	0.10935
1965		0.10482	0.13952	0.12177	0.12557	0.12875	0.12922	0.11806
1964				0.11685				0.10443
1963				0.13826				0.09744
1962				0.11786				0.10515
1961				0.12856				0.12107
1960				0.12080				0.11198
1959				0.12654				0.11923

TABLE 16 (continued)
TAX MILL LEVY FOR RURAL LAND
BY COUNTY

Years	Madison	Meagher	McCone	Park	Phillips	Powder	Prairie	Richland
1988	0.22441	0.20113	0.27153	0.26705	0.20203	0.18315	0.23879	0.14962
1987	0.23752	0.21210	0.24248	0.28056	0.21830	0.24502	0.21413	0.14953
1986	0.23449	0.23016	0.29218	0.28545	0.21314	0.17392	0.20236	0.13428
1985	0.23110	0.22737	0.24840	0.31811	0.17954	0.11206	0.19284	0.13449
1984	0.20848	0.21495	0.24159	0.29795	0.15903	0.14415	0.17101	0.12894
1983	0.18810	0.19600	0.24456	0.29367	0.13950	0.11522	0.17931	0.12386
1982	0.20435	0.22147	0.20828	0.29630	0.14753	0.14530	0.19970	0.11438
1981	0.17493	0.22462	0.20650	0.25827	0.16623	0.13571	0.20404	0.13951
1980	0.18226	0.20929	0.21557	0.23205	0.15021	0.15274	0.19297	0.13765
1979	0.18226	0.19054	0.19176	0.22705	0.15956	0.14424	0.19594	0.13962
1978	0.14408	0.17136	0.17320	0.22230	0.14771	0.11338	0.17446	0.14527
1977	0.13709	0.16620	0.17249	0.20952	0.14494	0.11465	0.16498	0.15377
1976	0.14806	0.17666	0.20210	0.19278	0.15616	0.10248	0.16318	0.14921
1975	0.11972	0.16161	0.19150	0.17573	0.14792	0.11149	0.14310	0.14702
1974	0.13816	0.14551	0.19425	0.15967	0.13896	0.12792	0.15137	0.14868
1973	0.18059	0.15142	0.19925	0.18944	0.15057	0.16926	0.15591	0.15050
1972	0.17314	0.14122	0.17550	0.19555	0.16127	0.14115	0.13625	0.16232
1971	0.17075	0.13351	0.17785	0.17450	0.14730	0.12403	0.12850	0.15203
1970	0.17643	0.13558	0.17180	0.17979	0.14818	0.12111	0.12377	0.15553
1969		0.12857	0.15855	0.15701	0.14266	0.08367	0.13237	0.15190
1968		0.12478	0.13655	0.16394	0.13280	0.09770	0.12029	0.15051
1967		0.12498	0.12875	0.16245	0.12791	0.14570	0.13565	0.14878
1966		0.10983	0.12625	0.13534	0.12034	0.13210	0.11355	0.14151
1965		0.11404	0.14305	0.12463	0.12541	0.14228	0.11812	0.14249
1964				0.11727				
1963				0.12227				
1962				0.11913				
1961				0.12090				
1960				0.11483				
1959				0.11538				

TABLE 16 (continued)
TAX MILL LEVY FOR RURAL LAND
BY COUNTY

Years	Roosevelt	Rosebud	Sheridan	Sweetgrass	Teton	Treasure	Valley	Yellowstone
1988	0.16921	0.14887	0.17691	0.28764	0.25113	0.24080	0.30476	0.27508
1987	0.17441	0.15691	0.18155	0.28477	0.24544	0.21093	0.30666	0.27194
1986	0.17319	0.15176	0.14064	0.28556	0.23636	0.20731	0.27899	0.27317
1985	0.14229	0.15342	0.13395	0.32054	0.21101	0.21018	0.23339	0.27714
1984	0.15683	0.12866	0.18899	0.27413	0.21749	0.20672	0.23350	0.22956
1983	0.14977	0.13889	0.12205	0.25083	0.21957	0.22240	0.24130	0.22579
1982	0.17877	0.15889	0.14366	0.25971	0.21619	0.16833	0.24169	0.19960
1981	0.18859	0.14517	0.11792	0.23864	0.20612	0.20198	0.24033	0.20697
1980	0.19177	0.15862	0.14158	0.22251	0.20755	0.17504	0.23351	0.23035
1979	0.22115	0.17022	0.16618	0.20684	0.19646	0.15962	0.22633	0.22778
1978	0.18888	0.15309	0.16915	0.19955	0.19293	0.14625	0.19875	0.18890
1977	0.17533	0.11977	0.17218	0.18896	0.18756	0.13607	0.17051	0.19546
1976	0.20683	0.11338	0.15882	0.18449	0.18147	0.13910	0.23980	0.18772
1975	0.18651	0.11858	0.14427	0.17647	0.16690	0.14158	0.22367	0.20611
1974	0.17782	0.12287	0.15336	0.15302	0.14482	0.12221	0.18533	0.18803
1973	0.19365	0.15019	0.16143	0.17274	0.16357	0.12683	0.19512	0.18278
1972	0.18791	0.13535	0.16362	0.15257	0.15596	0.11320	0.20143	0.17165
1971	0.17822	0.14466	0.16633	0.16673	0.15472	0.12269	0.18580	0.16274
1970	0.18504	0.14145	0.16437	0.15751	0.14888	0.12629	0.17658	0.16582
1969	0.12854	0.14178	0.12543		0.13888	0.13859	0.15036	0.14904
1968	0.15070	0.13482	0.15287		0.13823	0.12172	0.13466	0.13254
1967	0.16370	0.12112	0.15312		0.14639	0.10118	0.14520	0.12698
1966	0.11445	0.10741	0.14653		0.11251	0.09861	0.10533	0.10903
1965	0.11823	0.11990	0.14993		0.11393	0.10912	0.11508	0.11475

TABLE 17
TOTAL PAYMENT IN LIEU OF TAXES (PILT) FOR INUNDATED ACRES OF COMPLETED PROJECTS BY COUNTY AND YEAR

Year	Beaverhead PILT Amount ($)	Big Horn PILT Amount ($)	Broadwater PILT Amount ($)	Lewis & Clark PILT Amount ($)	Liberty PILT Amount ($)	Toole PILT Amount ($)
1988	1,001	9,236	15,761	11,478	19,685	12,848
1987	1,004	9,090	17,815	12,928	18,886	12,733
1986	946	8,815	17,358	12,853	18,645	12,596
1985	1,114	4,616	16,429	9,358	19,132	12,482
1984	1,101	4,464	15,447	9,087	18,994	12,105
1983	850	4,303	15,037	8,535	17,344	11,691
1982	882	4,251	14,944	8,359	16,592	11,201
1981	1,126	4,674	18,549	9,049	18,399	12,584
1980	991	4,699	18,350	9,137	17,267	12,380
1979	808	4,154	15,218	7,938	11,794	11,138
1978	902	6,588	15,654	8,685	8,605	8,753
1977	1,126	4,574	15,216	12,335	12,232	11,457

Note: The PILT payment was calculated for each county similar to the following example: ("Payment in Lieu of Taxes," Bureau of Reclamation)

Given:

Beaverhead County acres subject to payment from Bureau of Reclamation in 1988=9,013 acres. Total PILT payment to Beaverhead County (covering all agencies) = $227,802. Total acres for which the PILT Beaverhead payment covered = 2,050,524 acres.

Calculation:

(9,013/2,050,524) x $227,802 = Beaverhead 1988 PILT payment attributed to inundated acres.

TABLE 18
AVERAGE TAXABLE VALUE PER ACRE ($) FOR IRRIGATED LAND BY COUNTY

Years	Beaverhead	Big Horn	Broadwater	Dawson	Gallatin	Lewis & Clark
1988	8.53	13.68	9.51	10.81	11.36	8.51
1987	8.52	13.68	9.53	10.86	11.39	8.38
1986	8.59	13.71	9.81	10.83	12.01	8.79
1985	8.70	13.64	9.65	10.87	11.48	7.71
1984	8.61	13.64	9.49	10.78	11.53	3.78
1983	8.56	13.65	9.83	10.78	11.55	7.82
1982	8.50	13.65	9.78	10.38	11.55	7.84
1981	8.56	13.63	9.71	10.88	11.57	7.80
1980	8.52	13.64	9.74	10.88	12.01	7.76
1979	8.52	13.64	9.14	10.86	11.79	7.83
1978	8.62	13.70	9.70	10.91	11.84	7.82
1977	8.78	15.62	10.12	10.83	12.01	7.74
1976	8.67	15.63	10.15	10.83	12.01	7.79
1975	8.75	15.74	10.16	10.86	12.01	7.82
1974	8.78	15.60	10.41	10.84	11.90	7.70
1973	8.77	15.61	10.34	10.81	10.83	6.28
1972	8.76	15.61	10.35	10.82	10.78	7.80
1971	8.76	15.61	10.43	10.81	10.77	7.85
1970	8.77	15.61	10.31	10.80	10.85	7.82
1969	8.76	15.64		10.79	10.82	7.81
1968	8.85	13.58		10.85	10.83	7.73
1967	8.57	15.65		9.59	10.82	7.89
1966	8.81	15.64		9.57	10.82	7.82
1965	8.90	15.68		9.08	10.95	7.83
1964		16.81		9.92	10.81	7.84
1963		16.88		10.22	10.86	8.12
1962				11.37	13.21	6.27
1961				7.28	13.25	6.40
1960				7.11	13.05	6.29
1959				7.11	13.46	
1958				7.07	13.17	
1957				7.07	13.07	
1956				7.04	13.24	
1955				7.04	13.35	
1954				6.95		
1953				6.95		
1952				6.93		
1951				6.93		

TABLE 18 (continued)
AVERAGE TAXABLE VALUE PER ACRE ($)
FOR IRRIGATED LAND BY COUNTY

Years	Carbon	Carter	Cascade	Chouteau	Custer	Fergus	Jefferson	Judith Basin
1988	14.58	8.29	9.27	10.51	12.39	9.57	7.83	11.67
1987	14.58	8.40	9.28	10.51	12.37	9.57	7.83	11.67
1986	14.64	8.65	9.29	10.52	12.36	9.57	7.96	11.51
1985	14.59	8.52	9.25	10.52	12.34	9.58	8.43	9.88
1984	14.59	8.53	9.24	10.50	12.37	9.56	8.42	11.48
1983	14.61	8.29	9.23	10.05	12.35	9.57	8.30	9.98
1982	14.60	8.50	9.21	10.53	12.21	9.57	8.28	11.13
1981	14.56	8.22	9.18	10.53	12.34	9.56	8.22	11.13
1980	14.73	8.60	9.21	10.52	12.58	9.56	8.25	11.13
1979	14.77	8.10	9.20	10.52	12.40	9.57	7.73	12.81
1978	14.84	7.76	9.09	10.49	12.28	9.57	7.65	12.81
1977	14.99	8.85	8.70	8.64	10.22	9.58	9.60	12.22
1976	15.09	8.91	8.70	8.64	10.33	9.61	9.57	12.22
1975	15.14	8.22	8.69	8.59	10.34	8.85	9.59	10.14
1974	15.18	8.53	8.70	8.65	11.24	6.92	9.56	12.18
1973	15.20	9.26	8.70	8.66	11.09	9.67	7.93	12.18
1972	15.12	9.19	7.10	8.61	10.91	9.66	9.61	12.18
1971	15.15	9.37	7.10	6.05	11.13	9.65	8.90	12.18
1970	15.17	9.31	7.09	6.12	11.06	9.83	9.51	12.18
1969		9.35	7.09	6.12	11.06	9.75	9.09	12.18
1968		8.89	7.15	6.12	10.71	9.33	9.32	10.91
1967		8.80	7.16	6.12	10.72	9.86	9.50	12.19
1966		9.12	7.08	6.12	10.79	9.94	9.44	11.17
1965			7.10	6.12	10.96	9.87	9.51	12.19
1964				6.12				12.51
1963				6.36				12.56
1962				6.38				7.26
1961				6.36				7.19
1960				6.39				7.30
1959				6.22				7.30

TABLE 18 (continued)
AVERAGE TAXABLE VALUE PER ACRE ($) FOR IRRIGATED LAND BY COUNTY

Years	Madison	Meagher	McCone	Park	Phillips	Powder	Prairie	Richland
1988	10.99	7.64	6.38	8.04	5.56	7.94	15.22	13.50
1987	10.99	7.38	6.33	8.56	5.71	8.02	15.26	13.63
1986	11.00	7.38	6.32	8.58	5.87	8.01	15.26	13.64
1985	11.06	7.38	6.31	8.47	5.68	7.99	15.28	13.57
1984	11.09	7.59	6.32	7.97	5.83	8.09	15.32	13.54
1983	11.06	7.69	6.32	7.69	5.78	8.81	15.38	13.35
1982	11.09	8.08	6.31	8.24	5.90	8.09	15.04	13.28
1981	11.03	7.98	6.32	8.22	5.84	8.09	15.43	13.73
1980	11.05	8.06	6.32	8.23	5.82	8.09	15.36	13.62
1979	11.03	8.06	6.37	8.19	5.64	8.08	15.53	13.68
1978	11.15	8.00	6.42	8.42	5.49	8.08	14.78	13.49
1977	8.35	6.41	6.90	8.85	8.78	4.92	10.42	12.20
1976	8.36	6.41	6.91	8.12	9.05	4.92	11.25	11.84
1975	8.35	6.41	6.90	8.13	9.09	4.91	11.33	12.23
1974	8.34	6.42	6.91	8.07	9.12	4.92	11.31	12.31
1973	8.33	6.51	6.59	8.17	9.10	4.91	11.31	12.31
1972	8.32	6.50	6.60	8.13	9.10	4.91	9.10	12.29
1971	8.21	6.50	6.60	8.17	9.12	4.98	9.12	12.23
1970	8.24	6.60	6.60	8.04	9.05	4.91	9.05	12.35
1969		6.56	6.60	8.18	9.02	4.92	9.02	12.40
1968		6.62	6.60	8.17	8.84	4.92	11.26	12.20
1967		6.57	6.60	8.17	9.10	4.91	10.02	10.94
1966		6.77	6.62	8.17	9.10	4.86	10.03	11.02
1965		6.03	6.62	8.17	9.15	4.93	10.04	11.11
1964				8.16				
1963				8.14				
1962				11.19				
1961				11.17				
1960				11.17				
1959				11.24				

TABLE 18 (continued)
AVERAGE TAXABLE VALUE PER ACRE ($)
FOR IRRIGATED LAND BY COUNTY

Years	Roosevelt	Rosebud	Sheridan	Sweetgrass	Teton	Treasure	Valley	Yellowstone
1988	8.19	12.24	7.48	9.57	9.20	13.68	9.92	15.02
1987	8.19	12.08	7.48	9.58	9.20	13.68	9.89	14.94
1986	8.21	12.08	7.48	9.54	9.20	13.99	9.43	14.73
1985	8.18	12.06	7.44	8.56	9.20	13.58	10.07	14.25
1984	8.23	12.09	7.50	9.70	9.20	13.49	10.02	14.15
1983	7.91	12.17	7.21	9.54	9.31	13.49	10.05	14.14
1982	7.90	11.95	7.18	9.56	9.31	13.54	6.16	14.26
1981	8.19	12.27	7.41	9.58	9.32	15.91	9.89	14.35
1980	8.23	12.02	7.40	9.57	9.31	15.89	9.64	14.38
1979	8.12	12.33	7.97	9.54	9.28	15.88	9.91	14.42
1978	7.92	12.44	7.14	9.54	9.24	16.09	9.83	14.51
1977	8.78	10.19	8.56	9.55	9.35	14.13	9.78	14.47
1976	4.92	9.66	4.42	9.56	9.34	14.17	9.78	14.50
1975	4.91	9.90	4.41	9.56	9.35	14.23	9.64	14.75
1974	4.92	9.86	4.42	9.55	9.35	14.23	9.64	14.77
1973	4.91	10.08	4.41	9.55	7.73	14.24	9.59	14.79
1972	4.91	9.74	4.41	9.54	7.73	14.24	9.59	14.94
1971	4.98	9.80	4.48	9.54	7.73	14.19	9.59	15.10
1970	4.91	9.84	4.42	9.57	7.73	14.19	9.58	15.12
1969	4.92	9.84	4.40		7.72	14.19	9.58	15.38
1968	4.92	9.80	4.41		7.71	14.19	9.52	15.21
1967	4.91	9.83	4.41		7.70	14.19	9.58	15.36
1966	4.86	9.80	4.37		7.71	14.17	8.97	15.47
1965	6.95	9.80	6.89		9.39	14.22	9.39	15.63
1964								
1963								
1962								
1961								
1960								
1959								

TABLE 19
TAX VALUATION: COUNTY SUMMARY FOR COMPLETED AND NOT COMPLETED PROJECTS

	COMPLETED PROJECTS				PROJECTS PLANNED BUT NOT COMPLETED			
County	Tax Loss Innundation (1989 $)	Tax Loss Innundation with Interest (1989 $)	Tax Gain Irrigated Acres (1989 $)	Tax Gain Irrigated Acres with Interest (1989 $)	Tax Gain Non-Innundation (1989 $)	Tax Gain Non-Innundation with Interest (1989 $)	Tax Loss Non-Irrigation (1989 $)	Tax Loss Non-Irrigation with Interest (1989 $)
Beaverhead	347,034	1,002,831	733,042	2,537,214	26,388	61,001	243,705	688,267
Big Horn	187,849	589,229					3,326,509	13,195,220
Broadwater	1,338,161	5,534,040					178,558	495,683
Carbon							72,160	194,139
Carter							355,079	1,128,147
Cascade							254,261	656,593
Choteau							2,395,136	8,552,973
Custer							238,079	687,773
Dawson			193,199	807,117			1,248,755	3,849,588
Deer Lodge					6,932	16,026		
Fergus					5,185	13,245	83,980	321,450
Gallatin			1,293,954	6,315,036	78,220	222,342	4,111,861	14,461,825
Jefferson					5,472	15,903	326,457	1,052,948
Judith Basin					24,608	68,082	125,955	407,463
Lewis & Clark	1,003,276	3,967,052	480,158	1,951,806	293,492	964,708	33,264	117,880
Liberty	633,426	2,736,021						
Madison							78,984	214,025
McCone							371,252	1,304,774
Meagher					7,434	13,556	54,333	166,795
Park					1,585,351	5,021,100	279,746	1,385,768
Phillips							260,295	994,872
Powder River					8,231,556	19,424,820	500,165	1,240,282
Prairie							543,573	1,551,054
Richland							1,094,823	3,581,606
Roosevelt							1,492,966	4,215,286
Rosebud							1,539,410	4,756,609
Sheridan					2,312,655	8,009,126	464,104	1,322,043
Sweet Grass					9,074	20,634	46,273	128,538
Teton							1,094,449	2,741,548
Toole	755,534	3,135,346						
Treasure							1,259,959	3,413,312
Valley							2,755,084	8,798,104
Yellowstone							886,913	2,802,372
Total	4,265,280	16,964,519	2,700,353	11,611,173	12,586,367	33,850,543	25,716,088	84,426,937

TABLE 20
ANNUAL PURCHASING POWER OF DOLLAR AND T-BILL INTEREST FACTORS

Year	Dollar Purchasing Power Factor[1]	T-Bill Interest Rate (%)[2]	Compounded Interest Factor[3]
1989	.880		1.0000
1988	.926	7.13	1.0713
1987	.949	6.32	1.1390
1986	.969	6.08	1.2083
1985	.955	7.81	1.3026
1984	.964	9.92	1.4318
1983	.984	8.80	1.5578
1982	1.000	11.07	1.7303
1981	1.041	13.14	1.9577
1980	1.136	10.89	2.1708
1979	1.289	9.75	2.3825
1978	1.433	7.74	2.5669
1977	1.546	5.71	2.7135
1976	1.645	5.52	2.8633
1975	1.718	6.28	3.0431
1974	1.901	7.71	3.2777
1973	2.193	7.01	3.5075
1972	2.392	4.77	3.6748
1971	2.469	4.67	3.8464
1970	2.545	6.48	4.0956
1969	2.632	7.06	4.3848
1968	2.732	5.62	4.6312
1967	2.809	4.84	4.8554
1966	2.841	5.17	5.1064
1965	2.933	4.06	5.3137
1964	2.985	3.76	5.5135
1963	2.994	3.28	5.6943
1962	2.985	3.02	5.8663
1961	2.994	2.91	6.0370
1960	2.994	3.55	6.2513
1959	3.021	4.11	6.5083
1958	3.012	2.09	6.6443
1957	3.077	3.53	6.8788
1956	3.195	2.83	7.0735
1955	3.279	1.89	7.2072

TABLE 20 (continued)
ANNUAL PURCHASING POWER OF DOLLAR AND T-BILL INTEREST FACTORS

Year	Dollar Purchasing Power Factor[1]	T-Bill Interest Rate (%)[2]	Compounded Interest Factor[3]
1954	3.289	0.92	7.2735
1953	3.300	2.07	7.4241
1952	3.268	1.81	7.5584
1951	3.247	1.73	7.6892
1950	3.546	1.26	7.7861
1949	3.802	1.14	7.8748
1948	3.610	1.14	7.9646
1947	3.906	0.88	8.0347
1946	4.808	0.82	8.1006
1945	5.495	0.81	8.1662
1944	5.587	0.79	8.2307
1943	5.618	0.75	8.2924
1942	5.882	0.75	8.3546
1941	6.623	0.75	8.4173
1940	7.407	0.75	8.4804

[1] 1940-49 dollar purchasing power factor determined by direct contact with U.S. Bureau of Labor Statistics, Washington, D.C. Table: Purchasing Power of the Dollar (based on annual average of producer prices); 1950-87, "Statistical Abstract of the United States." 1989 dollar purchasing power factor determined by direct contact with U.S. Bureau of Economic Analysis, Department of National Income & Wealth.

[2] Table: Money Market Interest and Mortgage Rates. "Statistical Abstract of the United States," U.S. Department of Commerce, Bureau of Census. U.S. Government 1-year Treasury Bills (annual averages of monthly data based on daily closing bid yields in secondary market, bank discount basis).

[3] Calculated by multiplying all factors (column 3) for years following. (Ex. 1985 Factor = 1.0781 x 1.0608 x 1.0632 x 1.0713). All interest factors are compounded through 1988. 1989 factor was unavailable. 1940-42 interest factors were not available, so the 1943 factor was used for these years.

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